

siRNA targeting AGT gene expression and conjugate and use thereof

Technical Field

The present invention relates to a siRNA that inhibits the expression of angiotensinogen (AGT) gene, and conjugate and pharmaceutical composition thereof, as well as use thereof in the prevention and/or treatment of abnormal blood pressure-related diseases.

Background Art

Angiotensinogen (AGT) is an important component of the renin-angiotensin system (RAS) in the human body, and the entire RAS plays a key role in the regulation of blood pressure in animals. AGT is synthesized and secreted in the liver, and then converted into angiotensin I by the enzyme renin (REN), which is then converted into angiotensin II by the angiotensin-converting enzyme (ACE). Most angiotensin II can bind to type I angiotensin II receptors, leading to vasoconstriction and raised blood pressure. This molecule also stimulates the production of the hormone aldosterone, which triggers the renal absorption of Na⁺ ions and water, thereby increasing blood volume and further raising blood pressure.

Hypertension is a serious disease that significantly increases the risk of heart, brain, kidney, and other diseases. According to data released by the World Health Organization, an estimated 1.28 billion adults aged 30-79 worldwide suffer from hypertension. Only 42% of hypertensive patients are diagnosed and treated, and only 21% have their blood pressure effectively controlled. Hypertension is a leading cause of premature death worldwide. Furthermore, according to a report in The Lancet (2019; 394: 1145-58), 2.54 million people died from hypertension in our country in 2017, ranking first among all risk factors for death.

Currently, first-line drugs used clinically to treat hypertension are divided into five main classes: angiotensinase inhibitors, angiotensin II receptor blockers, β -adrenergic receptor blockers, dihydropyridine calcium channel blockers, and diuretics. These five classes of antihypertensive drugs have completely different mechanisms of action. Depending on the patient's age, degree of hypertension, and risk of related clinical complications, most patients will use one of these drugs for treatment. If one method is ineffective, two or even three methods may be used in combination. For high-risk patients, two or even three treatment methods are often used in combination. If blood pressure cannot be effectively controlled by these three methods, it is called refractory hypertension, a common and challenging problem in hypertension treatment. Developing effective, safe, stable, and long-acting antihypertensive drugs has significant clinical value.

The present application provides a small interfering RNA (siRNA) formulation targeting AGT, which specifically binds to AGT mRNA, disrupting the normal translation template function of AGT mRNA and thus preventing the translation of AGT protein. This inhibits the RAS pathway at its source and can be used to treat/prevent diseases related to the RAS pathway, such as hypertension, including refractory and uncontrolled hypertension.

Compared to traditional drugs, siRNA has poor stability and is easily degraded by nucleases when administered systemically. Furthermore, it is necessary to explore ways to further improve its activity while avoiding off-target effects, immune stimulation, cytotoxicity, and other side effects. Therefore, developing more candidate siRNAs that are stable in the blood, possess good in vivo biological activity, have low cytotoxicity, and can effectively inhibit AGT gene expression for a long time is an urgent problem to be solved. At the same time, there is both the necessity for clinical research and the commercial viability of

developing drugs using these candidate siRNAs that inhibit AGT gene expression to effectively prevent and/or treat hypertension-related diseases.

Contents of the Invention

The present invention provides an siRNA for inhibiting AGT gene expression, the siRNA comprising a sense strand and an antisense strand; wherein the antisense strand comprises at least 17 consecutive nucleotides differing by no more than 4 nucleotides from any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, SEQ ID NO: 343 to SEQ ID NO: 346, the antisense strand is 17-30 nucleotides in length; and the sense strand is 17-30 nucleotides in length and is at least partially complementary to the antisense strand.

The term "at least partially complementary" means that the two sequences can be completely complementary, or have no more than 5, 4, 3, or 2 mismatched base pairs in total, while retaining the ability to hybridize under relevant conditions.

In some embodiments of the present invention, the antisense strand differs by no more than 4 nucleotides from any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, and SEQ ID NO: 343 to SEQ ID NO: 346; in some embodiments of the present invention, the antisense strand differs by no more than 3 nucleotides from any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, and SEQ ID NO: 343 to SEQ ID NO: 346; in some embodiments of the present invention, the antisense strand differs by no more than 2 nucleotides from any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, and SEQ ID NO: 343 to SEQ ID NO: 346; in some embodiments of the invention, the antisense strand is any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, and SEQ ID NO: 343 to SEQ ID NO: 346.

In some embodiments of the present invention, the sense strand and antisense strand have a mismatch of no more than 3 nucleotides; in some embodiments, the sense strand and antisense strand have a mismatch of no more than 2 nucleotides; in some embodiments, the sense strand and antisense strand have a mismatch of no more than 1 nucleotide; in some embodiments, the sense strand and antisense strand are completely complementary.

preferably, the sense strand and antisense strand are complementary by at least 15, 16, 17, 18, 19, 20, or 21 nucleotides.

In some embodiments of the present invention, the antisense strand is 19-27 nucleotides in length; and the sense strand is 19-25 nucleotides in length.

In some embodiments of the present invention, the antisense strand is 19-23 nucleotides in length; and the sense strand is 19-21 nucleotides in length.

In some embodiments of the present invention, the antisense strand is 23 nucleotides in length, and the sense strand is 21 nucleotides in length. In some embodiments of the present invention, the antisense strand is 22 nucleotides in length, and the sense strand is 20 nucleotides in length. In some embodiments of the invention, the antisense strand is 21 nucleotides in length, and the sense strand is 21 nucleotides in length. In some embodiments of the invention, the antisense strand is 21 nucleotides in length, and the sense strand is 19 nucleotides in length. In some embodiments of the invention, the antisense strand is 19 nucleotides in length, and the sense strand is 19 nucleotides in length.

In some embodiments of the invention, the siRNA comprises one or more single-stranded nucleotide overhangs, such as overhangs of 1, 2, 3, or 4 nucleotides. In some embodiments of the invention, the overhangs can be on the sense strand, the antisense strand, or any combination thereof. In some embodiments of the invention, the overhangs are present at the 5' end, 3' end, or both ends of the antisense strand or sense strand of the siRNA.

In some embodiments of the invention, the siRNA has a 2-nucleotide overhang at the 3' end of the antisense strand.

In some embodiments of the invention, the siRNA has a blunt end. In some embodiments of the invention, the siRNA has at least one blunt end located at the 5' end of the antisense strand (or the 3' end of the sense strand).

In some embodiments of the invention, the siRNA has two blunt ends.

In some embodiments of the present invention, the siRNA has a nucleotide sequence (5'→3') selected from Duplex 1 to Duplex 107:

Duple x No.	Sense strand (5'→3')	SEQ ID NO:	Antisense strand (5'→3')	SEQ ID NO:
1	GAGGUGCUGAACAGCAU UUUU	1	AAAAAUGCUGUUCAGCA CCUCCC	102
2	GCUCCCACCUUUUCUUC UAA	2	UUAGAAGAAAAGGUGGG AGCCU	103
3	CACCUUUUCUUCUAAUG AA	3	UUCAUUAGAAGAAAAGG UGUU	104
4	CCAGCUUUUCUUCUAAU GAA	4	UUCAUUAGAAGAAAAGG UGGUU	105
5	CGAGCUUUUCUUCUAAU GAA	5	UUCAUUAGAAGAAAAGG UGGUU	105
6	AGAGUCUAUCCAACAGC UUA	6	UAAGCUGUUGGGUAGAC UCUGU	106
7	AGAGUCUACUCAACAGC UUA	7	UAAGCUGUUGGGUAGAC UCUGU	106
8	AGAGUCUACCUAACAGC UUA	8	UAAGCUGUUGGGUAGAC UCUGU	106
9	GGGUCUCAUUUCCAGC AAU	9	AUUGCUGGAAAGUGAGA CCCUC	107
10	GGGUCUCACUUUUCAGC AAU	10	AUUGCUGGAAAGUGAGA CCCUC	107
11	GGGUCUCACUUUCUAGC	11	AUUGCUGGAAAGUGAGA	107

	AAU		CCCUC	
12	AGGUGCUGAACAGCAUU UUU	12	AAAAAUGCUGUUCAGCA CCUCC	108
13	AGGUGCUGAAUAGCAUU UUU	13	AAAAAUGCUGUUCAGCA CCUCC	108
14	AGGUGCUGAACAGUAUU UUU	14	AAAAAUGCUGUUCAGCA CCUCC	108
15	AGGUGCUGAACAGCAUU UUU	15	AAAAAUGCUGUUCAGCA CCUUU	109
16	AGGUGCUGAACAGCAUU UUA	16	UAAAAUGCUGUUCAGCA CCUUU	110
17	GGUGCUGAACAGCAUUU UU	17	AAAAAUGCUGUUCAGCA CCUU	111
18	GGUGCUGAACAGCAUUU UA	18	UAAAAUGCUGUUCAGCA CCUU	112
19	GGGUCUCACUUUCCAGC AAU	19	AUUGCUGGAAAGUGAGA CCCUU	113
20	AGAGUCUACCCAACAGC UUA	20	UAAGCUGUUGGGUAGAC UCUUU	114
21	UCUCCCACCUUUUCUUC UAA	21	UUAGAAGAAAAGGUGGG AGAUU	115
22	CUCCCACCUUUUCUUCU AAA	22	UUUAGAAGAAAAGGUGG GAGUU	116
23	CCACCUUUUCUUCUAAU GAA	23	UUCAUUAGAAGAAAAGG UGGUU	105
24	AGGGUCUCACUUUCCAG CAAU	24	AUUGCUGGAAAGUGAGA CCCUCC	117
25	GGGUCUCACUUUCCAGC AAU	19	AUUGCUGGAAAGUGAGA CCCUC	107
26	GGUCUCACUUUCCAGCA AU	25	AUUGCUGGAAAGUGAGA CCCU	118
27	AGGUGCUGAACAGCAUU UUU	15	AAAAAUGCUGUUCAGCA CCUCC	108
28	GGUGCUGAACAGCAUUU UU	17	AAAAAUGCUGUUCAGCA CCUC	119
29	CAGAGUCUACCCAACAG CUUA	26	UAAGCUGUUGGGUAGAC UCUGUG	120
30	AGAGUCUACCCAACAGC UUA	20	UAAGCUGUUGGGUAGAC UCUGU	106
31	GAGUCUACCCAACAGCU UA	27	UAAGCUGUUGGGUAGAC UCUG	121
32	AGGUGCUGAACAGCAUU UUA	16	UAAAAUGCUGUUCAGCA CCUCC	122
33	GGUGCUGAACAGCAUUU UA	18	UAAAAUGCUGUUCAGCA CCUC	123
34	UCUCCCACCUUUUCUUC UAA	21	UUAGAAGAAAAGGUGGG AGACU	124
35	CUCCCACCUUUUCUUCU AAA	22	UUUAGAAGAAAAGGUGG GAGAC	125
36	CUCCCACCUUUUCUUCU	28	UUAGAAGAAAAGGUGGG	126

	AA		AGUU	
37	CCACCUUUUCUUCUAAU GAA	23	UUCAUUAGAAGAAAAGG UGGGG	127
38	CCACCUUUUCUUCUAAU GAA	23	AUCAUUAGAAGAAAAGG UGGUU	128
39	CCACCUUUUCUUCUAAU GAU	29	AUCAUUAGAAGAAAAGG UGGUU	128
40	CUCCACUUUUUCUUCU AAA	30	UUUAGAAGAAAAGGUGG GAGAC	125
41	CUACCUUUUCUUCUAAU GAA	31	UUCAUUAGAAGAAAAGG UGGUU	105
42	GAGGUGCUGAACAGCAU UUUA	32	UAAAAUGCUGUUCAGCA CCUCCC	129
43	GCGGAUGAGAGAGAGCC CACA	33	UGUGGGCUCUCUCUCAU CCGCUU	130
44	CGGAUGAGAGAGAGCCC ACAG	34	CUGUGGGCUCUCUCUCA UCCGCU	131
45	GAGAGAGAGCCCACAGA GUCU	35	AGACUCUGUGGGCUCUC UCUCGG	132
46	AGCCACAGAGUCUACC CAAU	36	AUUGGGUAGACUCUGUG GGCUCU	133
47	CGGAUGAGAGAGAGCCC ACAA	37	UUGUGGGCUCUCUCUCA UCCGGG	134
48	GCCACAGAGUCUACCC AACA	38	UGUUGGGUAGACUCUGU GGGCUC	135
49	GCCACAGAGUCUACCC AACA	38	UGUUGGGUAGACUCUGU GGGC	136
50	CCACAGAGUCUACCCAA CA	39	UGUUGGGUAGACUCUGU GG	137
51	CCACAGAGUCUACCCAA CA	39	UGUUGGGUAGACUCUGU GGGC	136
52	CCCACAGAGUCUACCCA ACAA	40	UUGUUGGGUAGACUCUG UGGGCU	138
53	CCCACAGAGUCUACCCA ACAA	40	UUGUUGGGUAGACUCUG UGGG	139
54	CACAGAGUCUACCCAAC AA	41	UUGUUGGGUAGACUCUG UG	140
55	CACAGAGUCUACCCAAC AA	41	UUGUUGGGUAGACUCUG UGGG	139
56	UCCACCUUUUCUUCUA AA	42	UUUAGAAGAAAAGGUGG GAUU	141
57	CACCCCAGUCUCCCACC UU	43	AAGGUGGGAGACUGGGG GUGAC	142
58	ACCCCAGUCUCCCACCU UU	44	AAAGGUGGGAGACUGGG GGUGA	143
59	CCCCCAGUCUCCCACCU UU	45	AAAAGGUGGGAGACUGG GGGUG	144
60	CCCCAGUCUCCCACCU UUU	46	AAAAAGGUGGGAGACUG GGGGU	145
61	CCCAGUCUCCCACCUUU	47	AGAAAAGGUGGGAGACU	146

	UCU		GGGGG	
62	CCAGUCUCCCACCUUUU CUU	48	AAGAAAAGGUGGGAGAC UGGGG	147
63	CAGUCUCCCACCUUUUC UUU	49	AAAGAAAAGGUGGGAGA CUGGG	148
64	AGUCUCCCACCUUUUCU UCU	50	AGAAGAAAAGGUGGGAG ACUGG	149
65	GUCUCCCACCUUUUCU CUA	51	UAGAAGAAAAGGUGGGA GACUG	150
66	UCCCACCUUUUCUUCU AUA	52	UAUUAGAAGAAAAGGUG GGAGA	151
67	CCCACCUUUUCUUCUAA UGA	53	UCAUUAGAAGAAAAGGU GGGAG	152
68	CACCUUUUCUUCUAAUG AGU	54	ACUCAUUAGAAGAAAAG GUGGG	153
69	ACCUUUUCUUCUAAUGA GUU	55	AACUCAUUAGAAGAAAA GGUGG	154
70	CCUUUUCUUCUAAUGAG UCA	56	UGACUCAUUAGAAGAAA AGGUG	155
71	CUUUUCUUCUAAUGAGU CGA	57	UCGACUCAUUAGAAGAA AAGGU	156
72	UUUUCUUCUAAUGAGUC GAU	58	AUCGACUCAUUAGAAGA AAAGG	157
73	UUUCUUCUAAUGAGUCG ACU	59	AGUCGACUCAUUAGAAG AAAAG	158
74	ACCCCAGUCUCCCACCU U	60	AAGGUGGGAGACUGGGG GUGA	159
75	CCCCAGUCUCCCACCU U	61	AAAGGUGGGAGACUGGG GGUG	160
76	CCCCAGUCUCCCACCU UU	62	AAAAGGUGGGAGACUGG GGGU	161
77	CCCAGUCUCCCACCUUU UU	63	AAAAAGGUGGGAGACUG GGGG	162
78	CCAGUCUCCCACCUUUU CU	64	AGAAAAGGUGGGAGACU GGGG	163
79	CAGUCUCCCACCUUUUC UU	65	AAGAAAAGGUGGGAGAC UGGG	164
80	AGUCUCCCACCUUUUCU UU	66	AAAGAAAAGGUGGGAGA CUGG	165
81	GUCUCCCACCUUUUCU CU	67	AGAAGAAAAGGUGGGAG ACUG	166
82	UCUCCCACCUUUUCUUC UA	68	UAGAAGAAAAGGUGGGA GACU	167
83	CCCACCUUUUCUUCUAA UA	69	UAUUAGAAGAAAAGGUG GGAG	168
84	CCACCUUUUCUUCUAAU GA	70	UCAUUAGAAGAAAAGGU GGGA	169
85	ACCUUUUCUUCUAAUGA GU	71	ACUCAUUAGAAGAAAAG GUGG	170
86	CCUUUUCUUCUAAUGAG	72	AACUCAUUAGAAGAAAA	171

	UU		GGUG	
87	CUUUUCUUCUAAUGAGU CA	73	UGACUCAUUAGAAGAAA AGGU	172
88	UUUUCUUCUAAUGAGUC GA	74	UCGACUCAUUAGAAGAA AAGG	173
89	UUUCUUCUAAUGAGUCG AU	75	AUCGACUCAUUAGAAGA AAAG	174
90	UUCUUCUAAUGAGUCGA CU	76	AGUCGACUCAUUAGAAG AAAA	175
91	UCACCCCCAGUCUCCAC CUU	77	AAGGUGGGAGACUGGGG GUGACA	176
92	CACCCCCAGUCUCCACC UUU	78	AAAGGUGGGAGACUGGG GGUGAC	177
93	ACCCCCAGUCUCCACCU UUU	79	AAAAGGUGGGAGACUGG GGGUGA	178
94	CCCCCAGUCUCCACCUU UUU	80	AAAAAGGUGGGAGACUG GGGGUG	179
95	CCCCAGUCUCCACCUU UUCU	81	AGAAAAGGUGGGAGACU GGGGGU	180
96	CCCAGUCUCCACCUUU UCUU	82	AAGAAAAGGUGGGAGAC UGGGGG	181
97	CCAGUCUCCACCUUUU CUUU	83	AAAGAAAAGGUGGGAGA CUGGGG	182
98	CAGUCUCCACCUUUUC UUCU	84	AGAAGAAAAGGUGGGAG ACUGGG	183
99	AGUCUCCACCUUUUCU UCUA	85	UAGAAGAAAAGGUGGGA GACUGG	184
100	CUCCACCUUUUCUUCU AAUA	86	UAUUAGAAGAAAAGGUG GGAGAC	185
101	UCCACCUUUUCUUCUA AUGA	87	UCAUUAGAAGAAAAGGU GGGAGA	186
102	CCACCUUUUCUUCUAAU GAGU	88	ACUCAUUAGAAGAAAAG GUGGGA	187
103	CACCUUUUCUUCUAAUG AGUU	89	AACUCAUUAGAAGAAAA GGUGGG	188
104	ACCUUUUCUUCUAAUGA GUCA	90	UGACUCAUUAGAAGAAA AGGUGG	189
105	CCUUUUCUUCUAAUGAG UCGA	91	UCGACUCAUUAGAAGAA AAGGUG	190
106	CUUUUCUUCUAAUGAGU CGAU	92	AUCGACUCAUUAGAAGA AAAGGU	191
107	UUUUCUUCUAAUGAGUC GACU	93	AGUCGACUCAUUAGAAG AAAAGG	192
108	GUUUCUCCUUGGUCUAA GUG	94	CACUUAGACCAAGGAGA AACUU	193
109	CCUGUGGUCCUCCACG CUC	95	GAGCGUGGGAGGACCAC AGGUU	194
110	ACAUACACCCCUUCCAC CUC	96	GAGGUGGAAGGGGUGUA UGUUU	195
111	GGUGUACAUACACCCCU	97	GGAAGGGGUGUAUGUAC	196

	UCC		ACCUU	
112	GUGGAGGGUCUCACUUU CCA	98	UGGAAAGUGAGACCCUC CACUU	197
113	UACGUCCACUUCCAAGG GAA	99	UUCCCUUGGAAGUGGAC GUAUU	198
114	CAGUCUCCCACCUUUUC UCC	100	UAAGAAAAGGUGGGAGA CUGUU	199
115	UGUGGUCCUCCCACGCU CUC	101	GAGAGCGUGGGAGGACC ACAUU	200

In some embodiments of the present invention, the siRNA comprises at least one modified nucleotide.

In some embodiments of the present invention, all nucleotides in the sense and/or antisense strands of the siRNA are modified nucleotides or nucleotide analogs.

In some embodiments of the present invention, the modified nucleotide is selected from 2'-methoxynucleotides, 2'-fluoronucleotides, 2'-deoxynucleotides, 2',3'-seco-nucleotide analogs, 2'-fluoroarabinonucleotides, 2'-methoxyethylnucleotides, 2'-amino-modified nucleotides, 2'-alkyl-modified nucleotides, 3'-methoxynucleotides, 2'-allyl-modified nucleotides, phosphorothioate group-containing nucleotides, methylphosphonate group-containing nucleotides, 5'-phosphate group-containing nucleotides, 5'-phosphate mimic-containing nucleotides, diol-modified nucleotides, abasic nucleotides, morpholinonucleotides, locked nucleotides (LNA), unlocked nucleotides (UNA), threose nucleotides (TNA), or glycerol nucleotides (GNA), but the present invention is not limited thereto.

In some embodiments of the present invention, the antisense strand of the siRNA is 23 nucleotides in length, wherein positions 2, 6, 14, and 16 of the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 21 nucleotides in length, wherein positions 7, 9, 10, and 11 of the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 23 nucleotides in length, wherein positions 2, 6, 8, 9, 14, and 16 of the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 21 nucleotides in length, wherein positions 7, 9, 10, and 11 of the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 23 nucleotides in length, wherein positions 2, 6, 14, and 16 of the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 21 nucleotides in length, wherein positions 9, 10, and 11 of the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 23 nucleotides in length, wherein positions 2, 6, 8, 9, 10, 14, and 16 of the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 21 nucleotides in length, wherein positions 7, 9, 10, and 11 of the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 23 nucleotides in length, wherein positions 2, 6, 8, 9, 10, 14, and 16 of the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein 3-10 positions (e.g., positions 2, 14, 16; positions 2, 5, 14, 16; positions 2, 4, 6, 14, 16; positions 2, 6, 10, 14, 16; positions 2, 6, 12, 14, 16; positions 2, 5, 10, 14, 16; positions 2, 3, 12, 14, 16; positions 2, 9, 12, 14, 16; positions 2, 6, 8, 9, 14, 16; positions 2, 3, 5, 12, 14, 16; positions 2, 8, 9, 12, 14, 16; positions 2, 7, 9, 12, 14, 16; positions 2, 4, 6, 8, 10, 14, 16, 18, 20; positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18 at the 5' end) of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, optionally one position (preferably position 1 at the 5' end) is a threose nucleotide, optionally one position (preferably position 6 at the 5' end) is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotide conjugates.

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein the following positions: positions 2, 14, 16; or positions 2, 5, 14, 16; or positions 2, 6, 14, 16; or positions 2, 6, 10, 14, 16; or positions 2, 6, 12, 14, 16; or positions 2, 5, 10, 14, 16; or positions 2, 3, 12, 14, 16; or positions 2, 9, 12, 14, 16; or positions 2, 6, 8, 9, 14, 16; or positions 2, 3, 5, 12, 14, 16; or positions 2, 8, 9, 12, 14, 16; or positions 2, 7, 9, 12, 14, 16; or positions 2, 4, 6, 8, 10, 14, 16, 18, 20; or positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, optionally, position 1 at the 5' end is a threose nucleotide, or optionally, position 6 at the 5' end is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein the following positions: positions 2, 14, 16; or positions 2, 5, 14, 16; or positions 2, 4, 6, 14, 16; or positions 2, 6, 10, 14, 16; or positions 2, 6, 12, 14, 16; or positions 2, 5, 10, 14, 16; or positions 2, 3, 12, 14, 16; or positions 2, 9, 12, 14, 16; or positions 2, 6, 8, 9, 14, 16; or positions 2, 3, 5, 12, 14, 16; or positions 2, 8, 9, 12, 14, 16; or positions 2, 7, 9, 12, 14, 16; or positions 2, 4, 6, 8, 10, 14, 16, 18, 20; or positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 21 nucleotides in length, wherein positions 2, 6, 14 and 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, and 9 at the 5' end of the sense strand are 2'-fluoronucleotides, position 1 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 21 nucleotides in length, wherein positions 2, 6, 14, and 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, position 20 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, and 9 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 21 nucleotides in length, wherein positions 2, 6, 14, and 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, position 21 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein

positions 7, 8, and 9 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 21 nucleotides in length, wherein position 14 at the 5' end of the antisense strand is a 2'-fluoronucleotide, positions 2, 5, and 7 are 2'-deoxynucleotides, position 12 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, and 9 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides.

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein 3-10 positions (e.g., positions 2, 14, 16; positions 2, 5, 14, 16; positions 2, 6, 14, 16; positions 2, 4, 6, 14, 16; positions 2, 6, 10, 14, 16; positions 2, 6, 12, 14, 16; positions 2, 5, 10, 14, 16; positions 2, 3, 12, 14, 16; positions 2, 9, 12, 14, 16; positions 2, 6, 8, 9, 14, 16; positions 2, 3, 5, 12, 14, 16; positions 2, 8, 9, 12, 14, 16; positions 2, 7, 9, 12, 14, 16; positions 2, 4, 6, 8, 10, 14, 16, 18, 20; positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18) of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides,

the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, optionally one position (preferably position 1 at the 5' end) is a threose nucleotide, optionally one position (preferably position 6 at the 5' end) is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotide conjugates.

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein the following positions: positions 2, 14, 16; or positions 2, 5, 14, 16; or positions 2, 6, 14, 16; or positions 2, 4, 6, 14, 16; or positions 2, 6, 10, 14, 16; or positions 2, 6, 12, 14, 16; or positions 2, 5, 10, 14, 16; or positions 2, 3, 12, 14, 16; or positions 2, 9, 12, 14, 16; or positions 2, 6, 8, 9, 14, 16; or positions 2, 3, 5, 12, 14, 16; or positions 2, 8, 9, 12, 14, 16; or positions 2, 7, 9, 12, 14, 16; or positions 2, 4, 6, 8, 10, 14, 16, 18, 20; or positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, optionally position 1 at the 5' end is a threose nucleotide, or optionally position 6 at the 5' end is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotides;

preferably, the 2'-deoxynucleotide at position 6 is independently selected from: deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU); more preferably, the 2'-deoxynucleotide at position 6 is deoxythymidine monophosphate (dT).

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein the following positions: positions 2, 14, 16; or positions 2, 5, 14, 16; or positions 2, 6, 14, 16; or positions 2, 4, 6, 14, 16; or positions 2, 6, 10, 14, 16; or positions 2, 6, 12, 14, 16; or positions 2, 5, 10, 14, 16; or positions 2, 3, 12, 14, 16; or positions 2, 9, 12, 14, 16; or positions 2, 6, 8, 9, 14, 16; or positions 2, 3, 5, 12, 14, 16; or positions 2, 8, 9, 12, 14, 16; or positions 2, 7, 9, 12, 14, 16; or positions 2, 4, 6, 8, 10, 14, 16, 18, 20; or positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; or

the antisense strand of the siRNA is 22 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein

positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, position 1 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; or

the antisense strand of the siRNA is 22 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, position 6 is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotides; preferably, the 2'-deoxynucleotide at position 6 is independently selected from: deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU); more preferably, the 2'-deoxynucleotide at position 6 is deoxythymidine monophosphate (dT);

more preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 105, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 23.

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein positions 2, 6, 14, 16 of the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 of the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 116, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 22.

In some embodiments of the present invention, the antisense strand of the siRNA is 22 nucleotides in length, wherein position 14 at the 5' end of the antisense strand is a 2'-fluoronucleotide, positions 2, 5, 7 are 2'-deoxynucleotides, position 12 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

preferably, the 2'-deoxynucleotides at positions 2, 5, 7 are independently selected from: deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU);

more preferably, the 2'-deoxyribonucleotides at positions 2, 5, and 7 are respectively: deoxythymidine monophosphate (dT), deoxythymidine monophosphate (dT), and deoxyadenosine monophosphate (dA);

more preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 105, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 23.

In some embodiments of the present invention, the antisense strand of the siRNA is 21 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, 9 at the 5' end of the sense strand are 2'-fluoronucleotides, position 1 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; or

the antisense strand of the siRNA is 21 nucleotides in length, wherein position 14 at the 5' end of the antisense strand is a 2'-fluoronucleotide, positions 2, 5, 7 are 2'-deoxynucleotides, position 12 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, 9 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

preferably, the 2'-deoxynucleotides at positions 2, 5, and 7 are independently selected from: deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), and deoxyuridine monophosphate (dU);

more preferably, the 2'-deoxynucleotides at positions 2, 5, and 7 are respectively: deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU), and deoxyadenosine monophosphate (dA);

more preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 104, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 3.

In some embodiments of the present invention, the modified nucleotide is a nucleotide whose phosphate group is modified with a phosphorothioate group. That is, a sulfur atom replaces a non-bridging oxygen atom in a phosphodiester bond, thereby replacing the phosphodiester bond with a phosphorothioate bond.

In some embodiments of the present invention, the 5' and 3' ends of the sense chain each independently comprise 0, 1, or 2 phosphorothioate groups; and/or, the 5' and 3' ends of the antisense chain each independently comprise 1 or 2 phosphorothioate groups.

In some embodiments of the present invention, between the nucleotides at positions 1 and 2 of the 5' end of the sense strand, between the nucleotides at positions 2 and 3 of the 5' end of the sense strand, between the nucleotides at positions 1 and 2 of the 3' end of the sense strand, between the nucleotides at positions 2 and 3 of the 3' end of the sense strand, between the nucleotides at positions 1 and 2 of the 3' end of the antisense strand, between the nucleotides at positions 2 and 3 of the 3' end of the antisense strand, between the nucleotides at positions 1 and 2 of the 5' end of the antisense strand, and between the nucleotides at positions 2 and 3 of the 5' end of the antisense strand, at least one linkage is phosphorothioate linkage; preferably, at least four linkages are phosphorothioate linkages; in some embodiments of the present invention, at least six linkages are phosphorothioate linkages; in some embodiments of the present invention, all eight linkages are phosphorothioate linkages.

In some embodiments of the present invention, the linkages between the nucleotides at positions 1 and 2, and between the nucleotides at positions 2 and 3 of the 5' end of the sense strand are phosphorothioate linkages.

In some embodiments of the present invention, the linkages between the nucleotides at positions 1 and 2, and between the nucleotides at positions 2 and 3 of the 5' end of the sense strand are phosphorothioate linkages, and the linkages between the nucleotides at positions 1 and 2, and between the nucleotides at positions 2 and 3 of the 3' end of the sense strand are also phosphorothioate linkages.

In some embodiments of the present invention, the linkages between the nucleotides at positions 1 and 2, and between the nucleotides at positions 2 and 3 of the 3' end of the antisense strand are phosphorothioate linkages, and the linkages between the nucleotides at positions 1 and 2, and between the nucleotides at positions 2 and 3 of the 5' end are also phosphorothioate linkages.

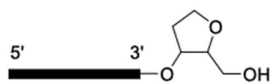
In some embodiments of the present invention, the linkages between the nucleotides at positions 1 and 2 of the 5' end of the sense strand, between the nucleotides at positions 2 and 3 of the 5' end of the sense strand, between the nucleotides at positions 1 and 2 of the 3' end of the sense strand, between the nucleotides at positions 2 and 3 of the 3' end of the sense strand, between the nucleotides at positions 1 and 2 of the 3' end of the antisense strand, between the nucleotides at positions 2 and 3 of the 3' end of the antisense strand, between the nucleotides at positions 1 and 2 of the 5' end of the antisense strand, and between the nucleotides at positions 2 and 3 of the 5' end of the antisense strand are all phosphorothioate linkages.

In some embodiments of the present invention, the sense strand may comprise one or more capping residues or moieties, referred to as "capping residues". A "capping residue" is a

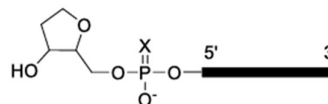
non-nucleotide compound or other moiety that can be incorporated into one or more ends of the nucleotide sequence of the siRNA. In some embodiments of the present invention, capping residues are present at the 5' end, the 3' end, or both of the 5' end and the 3' end of the sense strand.

In some embodiments of the present invention, an inverted abasic residue (iab or invAb) is added as a capping residue. See F. Czauderna, *Nucleic Acids Res.*, 2003, 31(11), 2705-16. In some embodiments of the present invention, the 5' end and/or 3' end of the sense strand may comprise more than one reverse deoxyabasic deoxyribose moiety as a capping residue.

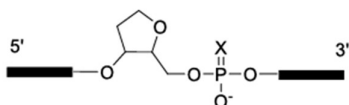
In some embodiments of the present invention, one or more inverted abasic residues (iab or invAb) are added to the 3' end of the sense strand. In some embodiments of the present invention, one or more inverted abasic residues (iab or invAb) are added to the 5' end of the sense strand. In some embodiments of the present invention, one or more inverted abasic residues may be inserted between the delivery carrier moiety and the nucleotide sequence of the siRNA's sense strand. In some embodiments of the present invention, one or more inverted abasic residues are included at or near one or more ends of the siRNA's sense strand. The inverted abasic residue (iab or invAb) is selected from the following structures:



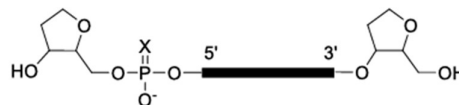
invAb is located at the 3' end of oligonucleotide



invAb is located at the 5' end of oligonucleotide



invAb is located within oligonucleotide



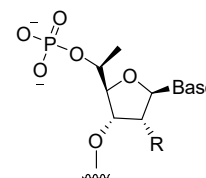
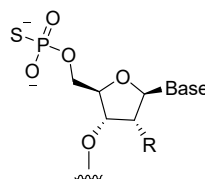
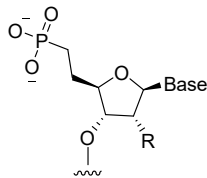
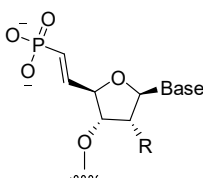
invAb is located at the both ends of oligonucleotide

where X = O or S.

In some embodiments of the present invention, one or more inverted abasic residues (iab or invAb) are added to the 5' end of the sense strand. In some embodiments of the present invention, one or more inverted abasic residues may be inserted between the delivery carrier moiety and the nucleotide sequence of the siRNA's sense strand.

The inverted abasic residues may be linked via phosphate, phosphorothioate, or other nucleoside linkages.

In some embodiments of the present invention, the first nucleotide at the 5' end of the antisense strand is selected from the following structures:



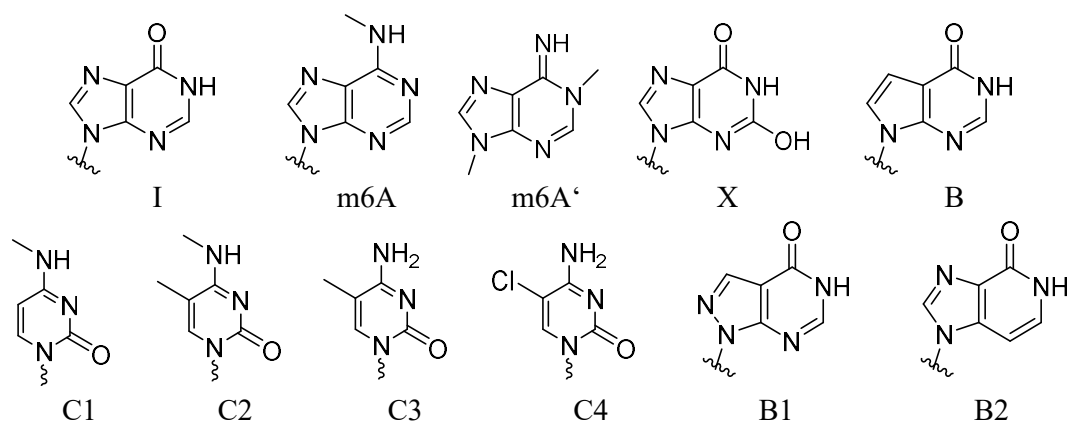
where Base represents base A, U, G, C, T, or other nucleotide base.

where Base represents base A, U, G, C, T, or other nucleotide base.

In some embodiments of the present invention, the first nucleotide at the 5' end of the antisense strand is a (*E*)-vinyl phosphate-modified nucleotide.

In some embodiments of the present invention, the siRNA comprises at least one base-modified nucleotide.

In some embodiments of the present invention, the base of the base-modified nucleotide is selected from the following structures:



In some embodiments of the present invention, the base-modified nucleotide is located at positions 5, 6, 7, 8 of the siRNA's antisense strand.

In some embodiments of the present invention, the base-modified nucleotide is located at a single-stranded nucleotide overhang in the siRNA.

Preferably, the siRNA's antisense strand comprises a two-nucleotide overhang, and the base-modified nucleotide is the first nucleotide of the siRNA's antisense strand overhang.

Preferably, the siRNA's antisense strand comprises a two-nucleotide overhang, and the base-modified nucleotide is the second nucleotide of the siRNA's antisense strand overhang.

The present invention also provides a siRNA conjugate obtained by conjugating the above-mentioned siRNA with a conjugation molecule.

In the present invention, unless otherwise specified, "conjugation" refers to the covalent connection between two or more chemical moieties; "conjugate" refers to a compound formed by the covalent connection of various chemical moieties; and "siRNA conjugate" refers to a compound formed by the covalent connection of one or more chemical moieties to siRNA. It should be noted that the chemical moieties can be directly attached to the siRNA or attached to the siRNA via a linker.

In some embodiments of the present invention, the delivery carrier forms a conjugating molecule and is attached to the siRNA via a covalent bond.

In some embodiments of the present invention, the delivery carrier forms a conjugating molecule and is attached to the 3' or 5' end of the sense strand of the siRNA, either independently or simultaneously.

In some embodiments of the present invention, the siRNA of the present invention can be conjugated with a pharmaceutically acceptable conjugating molecule to obtain an siRNA conjugate. In some embodiments of the present invention, the siRNA is covalently conjugated to the conjugating molecule. To reduce the potential impact of conjugation on siRNA activity, the conjugation site between the siRNA and the conjugating molecule can be at the 3' or 5' end of the sense strand of the siRNA, or at the 5' end of the antisense strand. In some embodiments, the conjugation site of the siRNA to the conjugating molecule may also be located within the internal sequence of the siRNA.

In the present invention, a "delivery carrier" refers to a chemical moiety covalently linked to siRNA and affecting the targeting, activity, cellular distribution, cellular uptake, or stability of the oligonucleotide. Conjugation of siRNA to one or more delivery carriers can improve the pharmacological properties of siRNA. In some embodiments, the delivery carrier

moiety modifies or enhances the pharmacokinetic properties of the oligonucleotide by improving its cellular distribution, bioavailability, metabolism, excretion, permeability, or cellular uptake. Specifically, the delivery carrier can target the oligonucleotide to a specific organ, tissue, or cell type, thereby enhancing the oligonucleotide's effectiveness in that organ, tissue, or cell type. Simultaneously, the delivery carrier moiety can be used to reduce the activity of the oligonucleotide in non-target cell types, tissues, or organs, for example, off-target activity or activity in non-target cell types, tissues, or organs.

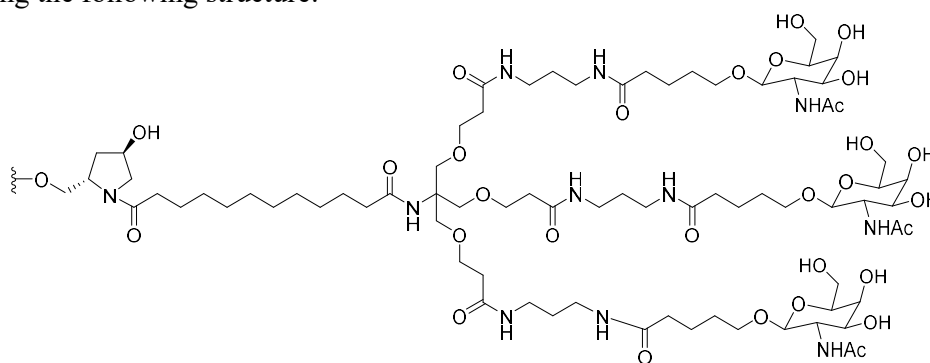
The pharmaceutically acceptable delivery carrier may be a delivery carrier conventionally used in the field of siRNA drug delivery, for example, but not limited to, one or more of the following delivery carriers or their derivatives: lipophilic molecules, such as cholesterol, bile acids, vitamins (e.g., vitamin E), lipid molecules of different chain lengths; polymers, such as polyethylene glycol; polypeptides, such as transmembrane peptides; aptamers; antibodies; quantum dots; carbohydrates, such as lactose, poly lactose, mannose, galactose, *N*-acetylgalactosamine (GalNAc); folic acid or folate; or receptor ligands expressed by hepatocytes, such as asialoglycoprotein, desialylated sugar residue, lipoprotein (e.g., high-density lipoprotein, low-density lipoprotein, etc.), glucagon, neurotransmitter (e.g., adrenaline), growth factors, transferrin, etc.

In some embodiments of the present invention, the delivery carrier comprises an *N*-acetylgalactosamine group.

In some embodiments of the present invention, the delivery carrier is directly attached to the 3' end of the siRNA's sense strand. In some embodiments of the present invention, the delivery carrier is directly attached to the 5' end of the siRNA's sense strand. In some embodiments of the present invention, the delivery carrier is attached to the 3' end of the siRNA's sense strand via an adapter. In some embodiments of the invention, the delivery carrier is attached to the 5' end of the siRNA's sense strand via an adapter.

In some embodiments of the invention, the delivery carrier comprises *N*-acetylgalactosamine, covalently linked to the 3' end of the siRNA's sense strand.

In some embodiments of the invention, the delivery carrier moiety is GalNAc(L96), having the following structure:



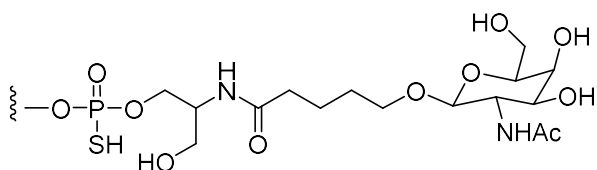
In some embodiments of the invention, GalNAc(L96) is attached to the 3' end of the siRNA's sense strand.

In some embodiments of the invention, GalNAc(L96) is attached to the 5' end of the siRNA's sense strand.

In some embodiments of the invention, GalNAc(L96) is attached to an inverted abasic residue (iab or invAb) at the 3' end of the siRNA's sense strand.

In some embodiments of the invention, GalNAc(L96) is attached to an inverted abasic residue (iab or invAb) at the 5' end of the siRNA's sense strand.

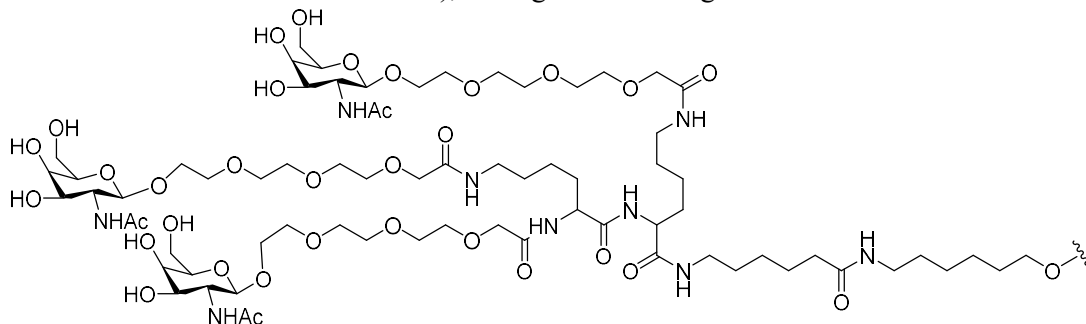
In some embodiments of the present invention, the delivery carrier moiety is Ser(GN), having the following structure:



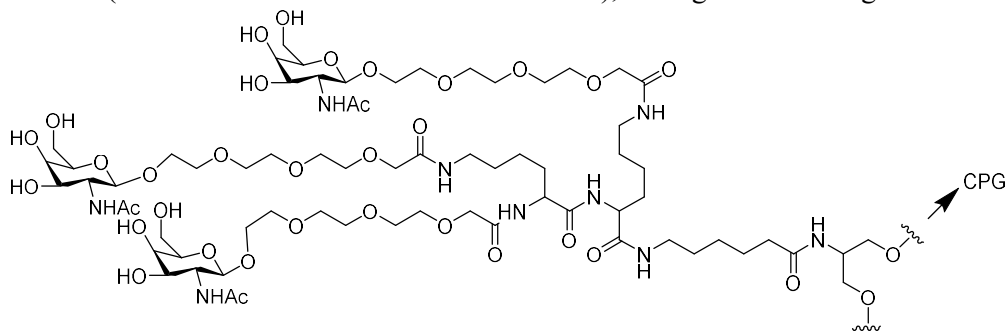
In some embodiments of the present invention, Ser(GN) is attached to the 3' end of the siRNA's sense strand. In some embodiments of the present invention, Ser(GN) is attached to the 5' end of the siRNA's sense strand.

In some embodiments of the present invention, Ser(GN) moieties are attached to both the 3' end and the 5' end of the siRNA's sense strand.

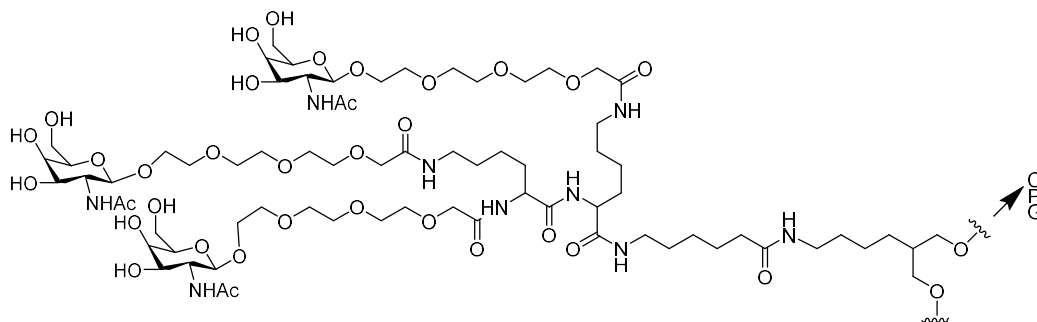
In some embodiments of the present invention, the delivery carrier moiety is LP-GalNAc (attached to the 5' end of the sense strand), having the following structure:



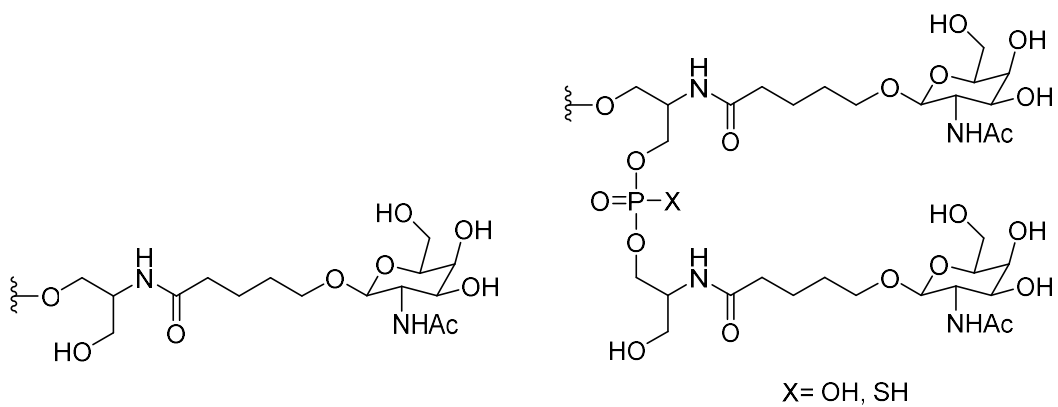
In some embodiments of the present invention, the delivery carrier moiety is XY-GalNAc (attached to the 3' end of the sense strand), having the following structure:



or

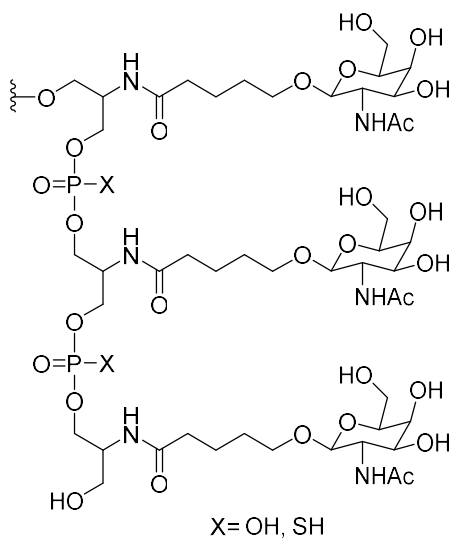


In some embodiments of the present invention, the structures of other delivery carrier moieties used (attached to the 5' end of the sense strand) are as follows:

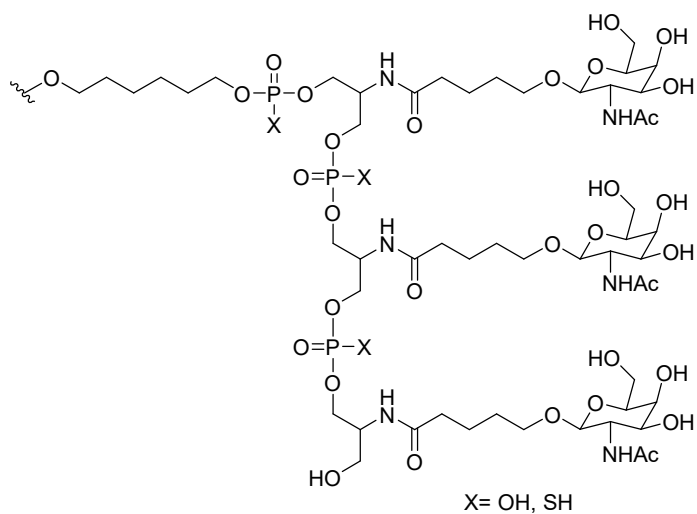


GalNAc(Ser1)

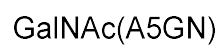
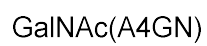
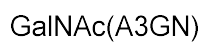
GalNAc(Ser2)

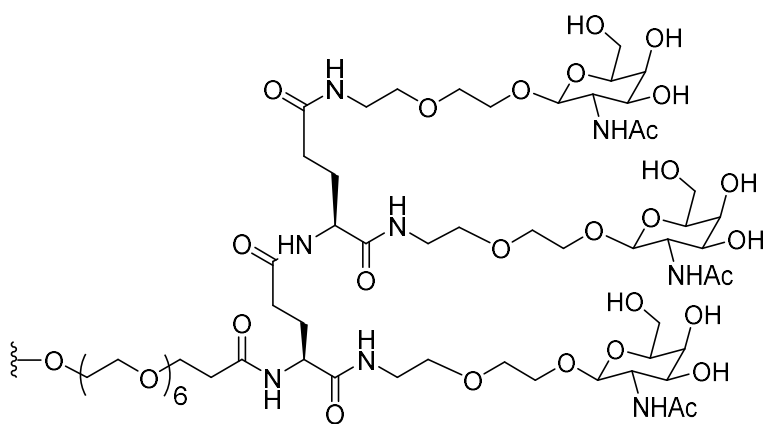


GalNAc(Ser3)

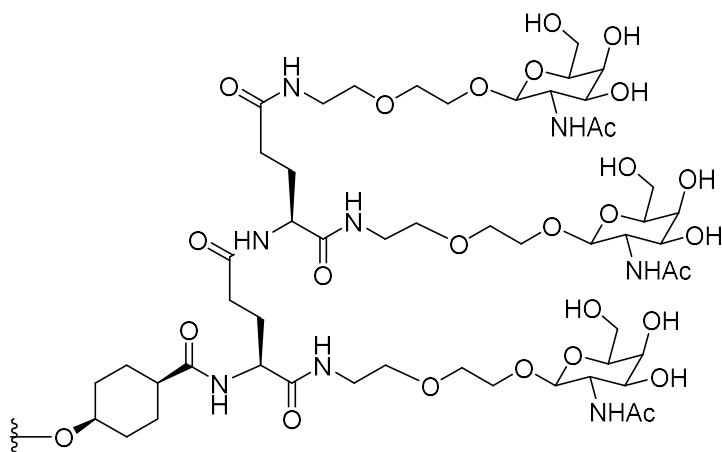


GalNAc(Ser4)



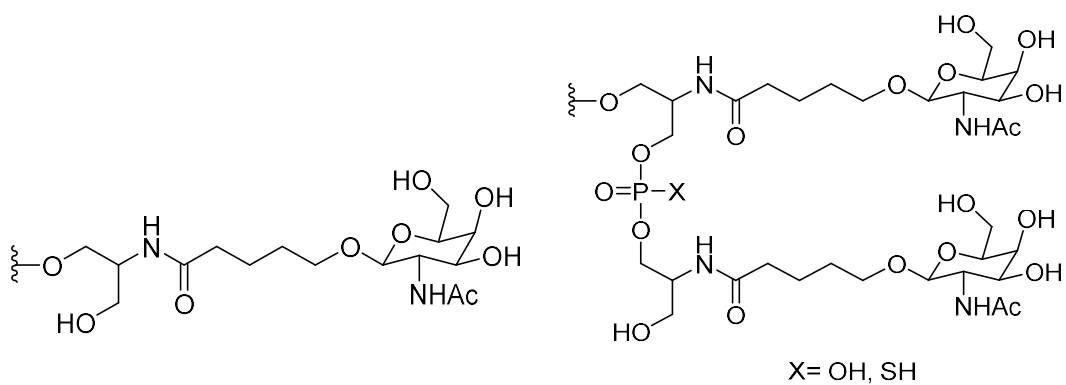


GalNAc(NAG25)



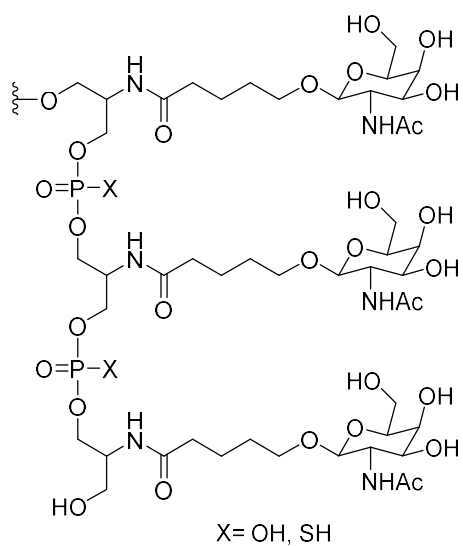
GalNAc(NAG37)

In some embodiments of the present invention, the structures of other delivery carrier moieties used (attached to the 3' end of the sense strand) are as follows:

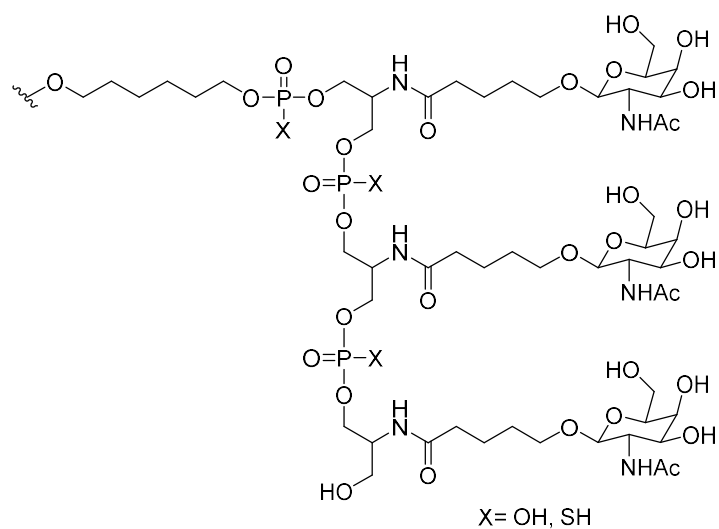


GalNAc(Ser1)

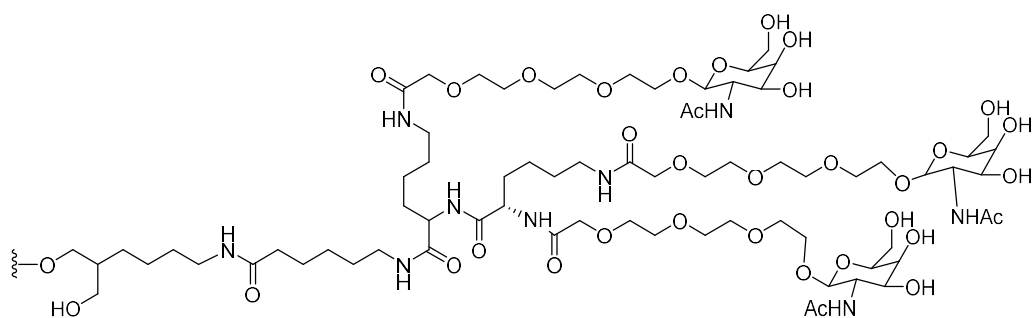
GalNAc(Ser2)



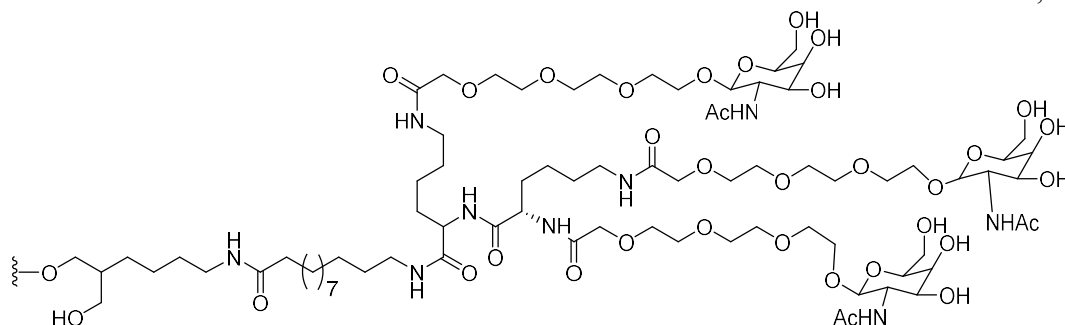
GalNAc(Ser3)



GalNAc(Ser4)



GalNAc(A1GN)



GalNAc(A2GN)

Optionally, the delivery carrier moiety is attached to the 3' end of the siRNA's sense strand, or to the 5' end of the siRNA's sense strand, or to an inverted abasic residue (iab) at the 3' end of the siRNA's sense strand, or to an inverted abasic residue (iab) at the 5' end of the siRNA's sense strand, or one or more of the delivery carrier moieties are simultaneously attached to the 3' end, the 5' end, an inverted abasic residue (iab) at the 3' end of the siRNA's sense strand, and an inverted abasic residue (iab) at the 5' end of the siRNA's sense strand. Preferably, the delivery carrier moiety GalNAc(L96) is attached to the 3' end of the siRNA's sense strand or to an inverted abasic residue (iab) at the 3' end of the siRNA's sense strand. The delivery carrier moiety Ser(GN) is attached to both the 3' and 5' ends of the siRNA's sense strand. The delivery carrier moiety LP-GalNAc is attached to the 5' end of the siRNA's sense strand. The delivery carrier moiety XY-GalNAc is attached to the 3' end of the siRNA's sense strand. The delivery carrier moiety GalNAc(Ser2) is attached to either the 3' or 5' end of the siRNA's sense strand, or both. The delivery carrier moiety GalNAc(Ser3) is attached to either the 3' or 5' end of the siRNA's sense strand. The delivery carrier moiety GalNAc(Ser4) is attached to the 3' end of the siRNA's sense strand. The delivery carrier moiety GalNAc(A1GN) is attached to the 3' end of the siRNA's sense strand; the delivery carrier moiety GalNAc(A2GN) is attached to the 3' end of the siRNA's sense strand; the delivery carrier moiety GalNAc(A3GN) is attached to the 5' end of the siRNA's sense strand; the delivery carrier moiety GalNAc(A4GN) is attached to the 5' end of the siRNA's sense strand; the delivery carrier moiety GalNAc(A5GN) is attached to the 5' end of the siRNA's sense strand; the delivery carrier moiety GalNAc(NAG25) is attached to the 5' end of the siRNA's sense strand; the delivery carrier moiety GalNAc(NAG37) is attached to the 5' end of the siRNA's sense strand; and the delivery carrier moieties GalNAc(Ser1) and GalNAc(Ser2) are simultaneously attached to the 3' end and the 5' end of the siRNA's sense strand, respectively, or simultaneously attached to the 5' end and the 3' end of the siRNA's sense strand, respectively;

preferably, the delivery carrier moiety is selected from the following: GalNAc(L96) attached to the 3' end of the siRNA's sense strand, GalNAc(A1GN) attached to the 3' end of the siRNA's sense strand, GalNAc(A2GN) attached to the 3' end of the siRNA's sense strand,

GalNAc (A3GN) attached to the 5' end of the siRNA's sense strand, GalNAc (A4GN) attached to the 5' end of the siRNA's sense strand, and GalNAc (Ser2) simultaneously attached to both the 3' and 5' ends of the siRNA's sense strand.

The siRNA conjugates listed below are selected from Conjugates 1 to 1668 and the positive control PC c. The unmodified base sequences of the sense and antisense strands of each conjugate correspond to one of SEQ ID NO: 1 to SEQ ID NO: 200 listed above and SEQ ID NO: 201 to SEQ ID NO: 351 listed here, respectively.

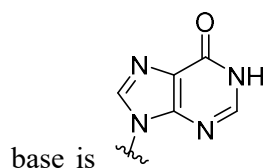
Unmodified base sequence	SEQ ID NO:
AAAAAUGCUGUTCAGCACCUC	201
IUUGCUGGAAAGUGAGACCCUCC	202
IUUGCTGGAAAGUGAGACCCUCC	203
ITUGCUGGAAAGUGAGACCCUCC	204
IAAAAUGCUGUUCAGCACCUC	205
IAAAATGCUGUUCAGCACCUC	206
UUCAUUAGAAGAAAAGGUGG	207
GCACCUUUUCUUCUAAUGAA	208
UUCAUUAGAAGAAAAGGUGC	209
UUCAUUAGAAGAAAAGIUGGU	210
UUCAUUAGAAGAAAAGGUGIU	211
AAAAAUGCUGUUCAGCACCU	212
AAAAAUGCUGUTCAGCACCU	213
UAAAAUGCUGUUCAGCACCU	214
UAAAAUGCUGUTCAGCACCU	215
AAAAAUGCUGUUCAGCACCT	216
AAAAAUGCUGUTCAGCACCU	217
UAAAAUGCUGUUCAGCACCT	218
UAAAAUGCUGUTCAGCACCU	219
AUUGCUGGAAAGUGAGACCCT	220
GGGUCTCACUUCCAGCAA	221
ATUGCUGGAAAGUGAGACCCU	222
UAAGCUGUUGGGUAGACUCU	223
TCUCCACCUUUUCUUCUAA	224
UUAGAAGAAAAGGUGGGAGAT	225
UTAGAAGAAAAGGUGGGAGAU	226
UUUAGAAGAAAAGGUGGGAGT	227
UTUAGAAGAAAAGGUGGGAGU	228
UUCAUUAGAAGAAAAGGUGGT	229
UTCATUAGAAGAAAAGGUGGU	230
UUCAUUAGAAGAAAAGGUGT	231
UTCAUUAGAAGAAAAGGUGU	232
UAAGCUGUUGGGUAGACUCUGTG	233
CCACCTUUUCUUCUAAUGAA	234
AUUGCTGGAAAGUGAGACCCUCC	235
UUCAUTAGAAGAAAAGGUGGU	236

UUCAUTAGAAGAAAAGGUGUU	237
UUCATUAGAAGAAAAGGUGGUU	238
UUAGIAGAAAAGGUGGGAGAUU	239
UUUAIAAGAAAAGGUGGGAGUU	240
UUCAIUAGAAGAAAAGGUGGUU	241
UUAGAIGAAAAGGUGGGAGAUU	242
UUUAGIAGAAAAGGUGGGAGUU	243
UUCAUIAGAAGAAAAGGUGGUU	244
UUAGAAIAAAAGGUGGGAGAUU	245
UUUAGAIGAAAAGGUGGGAGUU	246
UUCAUUIGAAGAAAAGGUGGUU	247
UUAGAAGIAAAGGUGGGAGAUU	248
UUUAGAAIAAAAGGUGGGAGUU	249
UUCAUUAIAGAAAAGGUGGUU	250
GUCAUCCACAAUGAGAGUACA	251
UGUAIUCUCAUUGUGGAUGACGA	252
UGUACICUCAUUGUGGAUGACGA	253
UGUACUIUCAUUGUGGAUGACGA	254
UGUACUCICAUUGUGGAUGACGA	255
UUAGBAGAAAAGGUGGGAGAUU	256
UUUABAAGAAAAGGUGGGAGUU	257
UUCABUAGAAGAAAAGGUGGUU	258
UUAGABGAAAAGGUGGGAGAUU	259
UUUAGBAGAAAAGGUGGGAGUU	260
UUCAUBAGAAGAAAAGGUGGUU	261
UUAGAABAAAAGGUGGGAGAUU	262
UUUAGABGAAAAGGUGGGAGUU	263
UUCAUUBGAAGAAAAGGUGGUU	264
UUAGAAGBAAAGGUGGGAGAUU	265
UUUAGAABAAAAGGUGGGAGUU	266
UUCAUUABAAGAAAAGGUGGUU	267
UUAGXAGAAAAGGUGGGAGAUU	268
UUUAXAAGAAAAGGUGGGAGUU	269
UUCAXUAGAAGAAAAGGUGGUU	270
UUAGAXGAAAAGGUGGGAGAUU	271
UUUAGXAGAAAAGGUGGGAGUU	272
UUCAUXAGAAGAAAAGGUGGUU	273
UUAGAAXAAAAGGUGGGAGAUU	274
UUUAGAXGAAAAGGUGGGAGUU	275
UUCAUUXGAAGAAAAGGUGGUU	276
UUAGAAGXAAAGGUGGGAGAUU	277
UUUAGAAXAAAAGGUGGGAGUU	278
UUCAUUAXAAGAAAAGGUGGUU	279
UUUAAAAGAAAAGGUGGGAGUU	280

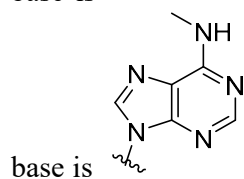
UUCAAUAGAAGAAAAGGUGGUU	281
UUCAUAAGAAGAAAAGGUGGUU	282
UUAGAAAAAAAGGUGGGAGAUU	283
UUUAGAAAAAAAGGUGGGAGUU	284
UUCAUUAAAAGAAAAGGUGGUU	285
UTGUGGGCUCUCUCUCAUCCGGG	286
UUAGAAGAAAAGGUGGGAGAUU	287
UUUAGAAGAAAAGGUGGGAGUI	288
UUAGAAGAAAAGGUGGGAGAIU	289
UUUAGAAGAAAAGGUGGGAGIU	290
UUCAUUAGAAGAAAAGGUGGIU	291
TCCCACCUUUUCUUCUAAA	292
UUAGAAGAAAAGGUGGGAGUI	293
UUUAGAAGAAAAGGUGGGAGUI	294
UUCAUUAGAAGAAAAGGUGUI	295
UUAGAAGAAAAGGUGGGAGIU	296
UUUAGAAGAAAAGGUGGGAGIU	297
UUCAUUAGAAGAAAAGGUGIU	298
UUCAUUAGAAGAAAAGGUGGGA	299
UUCAUUAGAAGAAAAGGUGGG	300
BUCAUUAGAAGAAAAGGUGGGA	301
BUCAUUAGAAGAAAAGGUGGG	302
BUCAUUAGAAGAAAAGGUGGUU	303
BUCAUUAGAAGAAAAGGUGUU	304
BUCAUUAGAAGAAAAGGUGGIU	305
BUCAUUAGAAGAAAAGGUGIU	306
BUCAUUAGAAGAAAAGGUGGUI	307
BUCAUUAGAAGAAAAGGUGUI	308
XUCAUUAGAAGAAAAGGUGGGA	309
XUCAUUAGAAGAAAAGGUGGG	310
XUCAUUAGAAGAAAAGGUGGUU	311
XUCAUUAGAAGAAAAGGUGUU	312
XUCAUUAGAAGAAAAGGUGGIU	313
XUCAUUAGAAGAAAAGGUGIU	314
XUCAUUAGAAGAAAAGGUGGUI	315
XUCAUUAGAAGAAAAGGUGUI	316
UTCATUAGAAGAAAAGGUGGGA	317
UTCATUAGAAGAAAAGGUGGG	318
UTCATUAGAAGAAAAGGUGUU	319
BTCATUAGAAGAAAAGGUGGGA	320
BTCATUAGAAGAAAAGGUGGG	321
BTCATUAGAAGAAAAGGUGGUU	322
BTCATUAGAAGAAAAGGUGUU	323
XTCATUAGAAGAAAAGGUGGGA	324

XTCATUAGAAGAAAAGGUGGG	325
XTCATUAGAAGAAAAGGUGGUU	326
XTCATUAGAAGAAAAGGUGUU	327
UTCATUAGAAGAAAAGGUGGIU	328
UTCATUAGAAGAAAAGGUGIU	329
BTCATUAGAAGAAAAGGUGGIU	330
BTCATUAGAAGAAAAGGUGIU	331
XTCATUAGAAGAAAAGGUGGIU	332
XTCATUAGAAGAAAAGGUGIU	333
UTCATUAGAAGAAAAGGUGGUI	334
UTCATUAGAAGAAAAGGUGUI	335
BTCATUAGAAGAAAAGGUGGUI	336
BTCATUAGAAGAAAAGGUGUI	337
XTCATUAGAAGAAAAGGUGGUI	338
XTCATUAGAAGAAAAGGUGUI	339
UUCAUUAGAAGAAAAGGUGG	340
UUCAUUAGAAGAAAAGGUG	341
CCCACCUUUUCUUCUAAUGAA	342
UUCAUUAGAAGAAAAGGUGGGUU	343
UUCAUUAGAAGAAAAGGUGGGTT	344
UUCAUUAGAAGAAAAGGUGGTT	345
UUCAUUAGAAGAAAAGGUGTT	346
UUCAUUAGAAGAAAAGGUGGGAG	347
UGUACTCUCAUUGUGGAUGACGA	348
AAUUUAGACCAAGGAGAAACGUC	349
CGUUUCUCCUUGGUCUAAAUU	350
CACUUAGACCAAGGAGAAACGUC	351

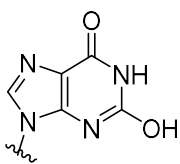
wherein C, G, U, A, and T represent base moieties of a nucleotide, including modified and unmodified nucleotides; I represents a base moiety of a modified nucleotide, wherein the



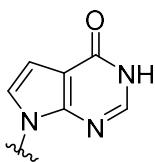
; m6A represents a base moiety of a modified nucleotide, wherein the



; X represents a base moiety of a modified nucleotide, wherein the base is



; and B represents a base moiety of a modified nucleotide, wherein the base is



In some embodiments of the present invention, the siRNA conjugate is selected from Conjugates 1 to 1668.

No.	Type	Sequence (5'→3')	Unmodified base sequence, SEQ ID NO:
Conjugate 1	Sense strand	mG*mA*mGmGmUmGmCmUfGfAfAmCmAmGmCmAmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	mA*dA*mAmAdAmUdGmCmUmGmUtnTmCfAmGmCmAmCmCmUmC*mC*mC	201
Conjugate 2	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mI*fU*mUmGmCfUmGfGfAfAmAmGmUfGmAfGmAmCmCmUmC*mC*mC	202
Conjugate 3	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mI*fU*mUmGmCgnTmGfGfAfAmAmGmUfGmAfGmAmCmCmUmC*mC*mC	203
Conjugate 4	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mI*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmCmUmC*mC*mC	202
Conjugate 5	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mI*fU*mUmGmCfUmGfGfAmAmAmGmUfGmAfGmAmCmCmUmC*mC*mC	202
Conjugate 6	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mI*dT*mUmGdCmUdGmGmAmAmAmGmUfGmAmGmAmCmCmUmC*mC*mC	204
Conjugate 7	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCmAmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	mI*fA*mAmAmAfUmGfCfUfGmUmUmCfAmGfCmAmCmCmUmC*mC*mC	205
Conjugate 8	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCmAmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	mI*fA*mAmAmAgnTmGfCfUfGmUmUmCfAmGfCmAmCmCmUmC*mC*mC	206
Conjugate 9	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI	207
Conjugate 10	Sense strand	mG*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	208

	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI	207
Conjugate 11	Sense strand	mG*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	208
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmC*mU*mI	209
Conjugate 12	Sense strand	mG*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	2
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmC*mC*mU	103
Conjugate 13	Sense strand	mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU	104
Conjugate 14	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmImUmGmG*mU*mU	210
Conjugate 15	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmImUmU*mU	211
Conjugate 16	Sense strand	mC*mC*mAmGmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	4
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 17	Sense strand	mC*mG*mAmGmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	5
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 18	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmAmAmCmA mGmCmUmUmA*GalNAc(L96)	6
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmGmUfAmGfAmCmUmCmU*mG*mU	106
Conjugate 19	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmAmAmCmA mGmCmUmUmA*GalNAc(L96)	7
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmGmUfAmGfAmCmUmCmU*mG*mU	106
Conjugate 20	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmUmAmAmCmA mGmCmUmUmA*GalNAc(L96)	8
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmGmUfAmGfAmCmUmCmU*mG*mU	106
Conjugate 21	Sense strand	mG*mG*mGmUmCmUmCfAfUfUmUmUmCmCmA mGmCmAmAmU*GalNAc(L96)	9
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmCmC*mU*mC	107
Conjugate 22	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmUmCmA mGmCmAmAmU*GalNAc(L96)	10
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmCmC*mU*mC	107
Conjugate 23	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmCmUmAmGmCmAmAmU*GalNAc(L96)	11
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmCmC*mU*mC	107
Conjugate	Sense	mA*mG*mGmUmGmCmUfAfAfAmCmAmGmCmA	12

24	strand	mUmUmUmUmU*GalNAc(L96)	
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mC*mC	108
Conjugate 25	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmUmAmGmCmA mUmUmUmUmU*GalNAc(L96)	13
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mC*mC	108
Conjugate 26	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmUmA mUmUmUmUmU*GalNAc(L96)	14
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mC*mC	108
Conjugate 27	Sense strand	mG*mA*mGmGmUmGmCmUfGfAfAmCmAmGmC mAmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	eVPmA*dA*mAmAdAmUdGmCmUmGmUtnTmCfA mGmCmAmCmCmUmC*mC*mC	201
Conjugate 28	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mU*mU	109
Conjugate 29	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	eVPmA*fA*mAmAmAmUmGmCmUmGmUmUmCf AmGfCmAmCmCmU*mU*mU	109
Conjugate 30	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*tnT*mU	212
Conjugate 31	Sense strand	tnA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mU*mU	109
Conjugate 32	Sense strand	mA*mG*mGmUmGdCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mU*mU	109
Conjugate 33	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	eVPmA*dA*mAmAdAmUmGmCmUmGmUtnTmCf AmGmCmAmCmCmU*mU*mU	213
Conjugate 34	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mU*mU	110
Conjugate 35	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*fA*mAmAmAmUmGmCmUmGmUmUmCf AmGfCmAmCmCmU*mU*mU	110
Conjugate 36	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*tnT*mU	214
Conjugate 37	Sense strand	tnA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mU*mU	110

Conjugate 38	Sense strand	mA*mG*mGmUmGdCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mU*mU	110
Conjugate 39	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*dA*mAmAdAmUdGmCmUmGmUtnTmCfA mGmCmAmCmCmU*mU*mU	215
Conjugate 40	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mU	111
Conjugate 41	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*fA*mAmAmAmUmGmCmUmGmUmUmCf AmGfCmAmCmC*mU*mU	111
Conjugate 42	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*tnT*mU	216
Conjugate 43	Sense strand	tnG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mU	111
Conjugate 44	Sense strand	mG*mG*mUmGdCmUfGfAfAmCmAmGmCmAmU mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mU	111
Conjugate 45	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*dA*mAmAdAmUmGmCmUmGmUtnTmCf AmGmCmAmCmC*mU*mU	217
Conjugate 46	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmA*GalNAc(L96)	18
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mU	112
Conjugate 47	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmA*GalNAc(L96)	18
	Antisense strand	eVPmU*fA*mAmAmAmUmGmCmUmGmUmUmCf AmGfCmAmCmC*mU*mU	112
Conjugate 48	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmA*GalNAc(L96)	18
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*tnT*mU	218
Conjugate 49	Sense strand	tnG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmA*GalNAc(L96)	18
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mU	112
Conjugate 50	Sense strand	mG*mG*mUmGdCmUfGfAfAmCmAmGmCmAmU mUmUmUmA*GalNAc(L96)	18
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mU	112
Conjugate 51	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmU mUmUmUmA*GalNAc(L96)	18
	Antisense	eVPmU*dA*mAmAdAmUdGmCmUmGmUtnTmCfA	219

	strand	mGmCmAmCmC*mU*mU	
Conjugate 52	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmCmCmA mGmCmAmAmU*GalNAc(L96)	19
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfG mAfGmAmCmCmC*mU*mU	113
Conjugate 53	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmCmCmA mGmCmAmAmU*GalNAc(L96)	19
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfG mAfGmAmCmCmC*tnT*mU	220
Conjugate 54	Sense strand	tnG*mG*mGmUmCmUmCfAfCfUmUmUmCmCmA mGmCmAmAmU*GalNAc(L96)	19
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfG mAfGmAmCmCmC*mU*mU	113
Conjugate 55	Sense strand	mG*mG*mGmUmCdTmCfAfCfUmUmUmCmCmA GmCmAmAmU*GalNAc(L96)	221
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfG mAfGmAmCmCmC*mU*mU	113
Conjugate 56	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmCmCmA mGmCmAmAmU*GalNAc(L96)	19
	Antisense strand	eVPmA*dT*mUmGdCmUmGmGmAmAmAtnGmUf GmAmGmAmCmCmC*mU*mU	222
Conjugate 57	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmCmA mGmCmUmUmA*GalNAc(L96)	20
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmUfA mGfAmCmUmCmU*mU*mU	114
Conjugate 58	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmCmA mGmCmUmUmA*GalNAc(L96)	20
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmUfA mGfAmCmUmCmU*tnT*mU	223
Conjugate 59	Sense strand	tnA*mG*mAmGmUmCmUfAfCfCmCmA mGmCmUmUmA*GalNAc(L96)	20
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmUfA mGfAmCmUmCmU*mU*mU	114
Conjugate 60	Sense strand	mA*mG*mAmGmUdCmUfAfCfCmCmA GmCmUmUmA*GalNAc(L96)	20
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmUfA mGfAmCmUmCmU*mU*mU	114
Conjugate 61	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmCmA mGmCmUmUmA*GalNAc(L96)	20
	Antisense strand	eVPmU*dA*mAmGdCmUdGmUmUmGmGtnGmUfA mGmAmCmUmCmU*mU*mU	114
Conjugate 62	Sense strand	tnT*mC*mUmCmCmCmAfCfCfUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	224
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmGmGfU mGfGmGmAmGmA*mU*mU	115
Conjugate 63	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmGmGfU mGfGmGmAmGmA*tnT*mU	225
Conjugate 64	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*dT*mAmGdAmAdGmAmAmAmAtnGmGfU mGmGmGmAmGmA*mU*mU	226
Conjugate 65	Sense strand	tnC*mU*mCmCmCmAfCfCfUmUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22

	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 66	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*tnT*mU	227
Conjugate 67	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*dT*mUmAdGmAdAmGmAmAmAtnAmGfGmUmGmGmGmAmG*mU*mU	228
Conjugate 68	Sense strand	tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 69	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*tnT*mU	229
Conjugate 70	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU	230
Conjugate 71	Sense strand	tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	104
Conjugate 72	Sense strand	mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*tnT*mU	231
Conjugate 73	Sense strand	mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*dT*mCmAdUmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mU	232
Conjugate 74	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	eVPmA*fU*mUmGmCfUmGfGfAfAmAmGmUfGmAfGmAmCmCmUm*tnC*mC	117
Conjugate 75	Sense strand	tnA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCmAmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	eVPmA*fU*mUmGmCfUmGfGfAfAmAmGmUfGmAfGmAmCmCmUm*mC*mC	117
Conjugate 76	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmCmCmA mGmCmA mAmU*GalNAc(L96)	19
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmCmC*mU*mC	107
Conjugate 77	Sense strand	mG*mG*mGmUmCmUmCfAfCfUmUmUmCmCmA mGmCmA mAmU*GalNAc(L96)	19
	Antisense strand	mA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmCmC*mU*mC	107
Conjugate 78	Sense strand	mG*mG*mUmCmUmCfAfCfUmUmUmCmCmA mCmA mAmU*GalNAc(L96)	25
	Antisense strand	eVPmA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmC*mC*mU	118
Conjugate	Sense	mG*mG*mUmCmUmCfAfCfUmUmUmCmCmA mG	25

79	strand	mCmAmAmU*GalNAc(L96)	
	Antisense strand	mA*fU*mUmGmCfUmGmGmAmAmAmGmUfGmAfGmAmCmC*mC*mU	118
Conjugate 80	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCmAmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	eVPmA*fA*mAmAmAfUmGfCfUfGmUmUmCfAmGfCmAmCmCmUmC*tnC*mC	102
Conjugate 81	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCmAmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	eVPmA*fA*mAmAmAfUmGfCfUfGmUmUmCfAmGfCmAmCmCmUmC*mC*tnC	102
Conjugate 82	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Sense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mC*mC	108
Conjugate 83	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmU*GalNAc(L96)	15
	Antisense strand	mA*fA*mAmAmAfUmGfCfUfGmUmUmCfAmGfC mAmCmCmU*mC*mC	108
Conjugate 84	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmU*GalNAc(L96)	17
	Antisense strand	eVPmA*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmC*mU*mC	119
Conjugate 85	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmU*GalNAc(L96)	17
	Antisense strand	mA*fA*mAmAmAfUmGmCmUmGmUmUmCfAmGf CmAmCmC*mU*mC	119
Conjugate 86	Sense strand	tnC*mA*mGmAmGmUfCmUfAfCfCmCmA mGmCmU*mU*mAGalNAc(L96)	26
	Antisense strand	eVPmU*fA*mAmGmCfUmGfUfUfGmGmGmUfAm GfAmCmUmCmUmG*mU*mG	120
Conjugate 87	Sense strand	mC*mA*mGmAmGmUfCmUfAfCfCmCmA mGmCmU*mU*mAGalNAc(L96)	26
	Antisense strand	eVPmU*fA*mAmGmCfUmGfUfUfGmGmGmUfAm GfAmCmUmCmUmG*tnT*mG	233
Conjugate 88	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmCmA mGmCmUmUmA*GalNAc(L96)	20
	Antisense strand	mU*fA*mAmGmCfUmGmUmUmGmGmGmUfAmGf AmCmUmCmU*mG*mU	106
Conjugate 89	Sense strand	mA*mG*mAmGmUmCmUfAfCfCmCmA mGmCmUmUmA*GalNAc(L96)	20
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmGmUfA mGfAmCmUmCmU*mG*mU	106
Conjugate 90	Sense strand	mG*mA*mGmUmCmUfAfCfCmCmA mCmUmUmA*GalNAc(L96)	27
	Antisense strand	mU*fA*mAmGmCfUmGmUmUmGmGmGmUfAmGf AmCmUmC*mU*mG	121
Conjugate 91	Sense strand	mG*mA*mGmUmCmUfAfCfCmCmA mCmUmUmA*GalNAc(L96)	27
	Antisense strand	eVPmU*fA*mAmGmCfUmGmUmUmGmGmGmUfA mGfAmCmUmC*mU*mG	121
Conjugate 92	Sense strand	mA*mG*mGmUmGmCmUfGfAfAmCmAmGmCmA mUmUmUmUmA*GalNAc(L96)	16
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfA mGfCmAmCmCmU*mC*mC	122

Conjugate 93	Sense strand	mG*mG*mUmGmCmUfGfAfAmCmAmGmCmAmUmUmUmUmA*GalNAc(L96)	18
	Antisense strand	eVPmU*fA*mAmAmAfUmGmCmUmGmUmUmCfAmGfCmAmCmC*mU*mC	123
Conjugate 94	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mC*mU	124
Conjugate 95	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 96	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAmAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mC*mU	124
Conjugate 97	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mA*mC	125
Conjugate 98	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 99	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	28
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmG*mU*mU	126
Conjugate 100	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 101	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mG	127
Conjugate 102	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 103	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmA*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	128
Conjugate 104	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmU*GalNAc(L96)	29
	Antisense strand	eVPmA*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	128
Conjugate 105	Sense strand	mC*mU*mCmCmCdAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mA*mC	125
Conjugate 106	Sense strand	mC*mC*mAmCmCdTmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	234
	Antisense	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfA	105

	strand	mAfGmGmUmGmG*mU*mU	
Conjugate 107	Sense strand	mC*mU*mCmCmCmAmCfUfUfUmUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	30
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmGfG mUfGmGmGmAmG*mA*mC	125
Conjugate 108	Sense strand	mC*mU*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	31
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfA mAfGmGmUmGmG*mU*mU	105
Conjugate 109	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCm AmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mA*fU*mUmGfCfUmGfGfAfAmAmGmUfGmAfGm AmCmCmCmU*mC*mC	117
Conjugate 110	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCm AmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	eVPmA*fU*mUmGfCfUmGfGfAfAmAmGmUfGmAf GmAmCmCmCmU*mC*mC	117
Conjugate 111	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCm AmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	mA*fU*mUmGfCgnTmGfGfAfAmAmGmUfGmAfG mAmCmCmCmU*mC*mC	235
Conjugate 112	Sense strand	mA*mG*mGmGmUmCfUmCfAfCfUmUmUmCfCm AmGmCmA*mA*mUGalNAc(L96)	24
	Antisense strand	eVPmA*fU*mUmGfCgnTmGfGfAfAmAmGmUfGm AfGmAmCmCmCmU*mC*mC	235
Conjugate 113	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCm AmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	mA*fA*mAmAfAfUmGfCfUfGmUmUmCfAmGfCm AmCmCmUmC*mC*mC	102
Conjugate 114	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCm AmUmUmU*mU*mUGalNAc(L96)	1
	Antisense strand	eVPmA*fA*mAmAfAfUmGfCfUfGmUmUmCfAmGf CmAmCmCmUmC*mC*mC	102
Conjugate 115	Sense strand	mG*mA*mGmGmUmGfCmUfGfAfAmCmAmGfCm AmUmUmU*mU*mAGalNAc(L96)	32
	Antisense strand	eVPmU*fA*mAmAmAfUmGfCfUfGmUmUmCfAmG fCmAmCmCmUmC*mC*mC	129
Conjugate 116	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	mU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmG fGmGmAmGmA*mU*mU	115
Conjugate 117	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	mU*fU*mAmGmAmAmGmAmAmAmAmGmGfUmG fGmGmAmGmA*mC*mU	124
Conjugate 118	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	mU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmU fGmGmGmAmG*mU*mU	116
Conjugate 119	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmU mCmUmAmA*GalNAc(L96)	28
	Antisense strand	mU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmG fGmGmAmG*mU*mU	126
Conjugate 120	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23

	Antisense strand	mU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 121	Sense strand	mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	mU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU	104
Conjugate 122	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	mU*fU*mCmAmUmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 123	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAgmAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 124	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAgmAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mC*mU	124
Conjugate 125	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGgnAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 126	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	28
	Antisense strand	eVPmU*fU*mAmGmAgmAmGmAmAmAmAmGmGfUmGfGmGmAmG*mU*mU	126
Conjugate 127	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUgnTmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	236
Conjugate 128	Sense strand	mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUgnTmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU	237
Conjugate 129	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGgnAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 130	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAgmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 131	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAgmTfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	238
Conjugate 132	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAgmTmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	238
Conjugate 133	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAgmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate	Sense	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22

134	strand	mCmUmAmAmA*GalNAc(L96)	
	Antisense strand	eVPmU*fU*mUmAmGfAgnAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 135	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUgnAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 136	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUgnAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 137	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGgnAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 138	Sense strand	mC*mU*mCmCmCmAfCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAgnGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 139	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAgnGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 140	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAgnGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 141	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmIfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	239
Conjugate 142	Sense strand	mC*mU*mCmCmCmAfCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmIfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	240
Conjugate 143	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmIfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	241
Conjugate 144	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmImUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	241
Conjugate 145	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAmImGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	242
Conjugate 146	Sense strand	mC*mU*mCmCmCmAfCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGmImAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	243
Conjugate 147	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmImAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	244

Conjugate 148	Sense strand	mU*mC*mUmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmImAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	245
Conjugate 149	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmImGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	246
Conjugate 150	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmImGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	247
Conjugate 151	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmImGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	247
Conjugate 152	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGmImAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	248
Conjugate 153	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmImAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	249
Conjugate 154	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmImAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	250
Conjugate 155	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAmImAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	250
Conjugate 156	Sense strand	mG*mU*mCmAmUmCfCmAfCfAfAmUmGmAmGmAmGmUmAmCmA*GalNAc(L96)	251
	Antisense strand	mU*fG*mUmAmIfUmCmUmCmAmUmUmGfUmGfGmAmUmGmAmC*mG*mA	252
Conjugate 157	Sense strand	mG*mU*mCmAmUmCfCmAfCfAfAmUmGmAmGmAmGmUmAmCmA*GalNAc(L96)	251
	Antisense strand	mU*fG*mUmAmCmImCmUmCmAmUmUmGfUmGfGmAmUmGmAmC*mG*mA	253
Conjugate 158	Sense strand	mG*mU*mCmAmUmCfCmAfCfAfAmUmGmAmGmAmGmUmAmCmA*GalNAc(L96)	251
	Antisense strand	mU*fG*mUmAmCfUmImUmCmAmUmUmGfUmGfGmAmUmGmAmC*mG*mA	254
Conjugate 159	Sense strand	mG*mU*mCmAmUmCfCmAfCfAfAmUmGmAmGmAmGmUmAmCmA*GalNAc(L96)	251
	Antisense strand	mU*fG*mUmAmCfUmCmImCmAmUmUmGfUmGfGmAmUmGmAmC*mG*mA	255
Conjugate 160	Sense strand	iab*mU*mCmUmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*iabGalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 161	Sense strand	iab*mC*mUmCmCmCmAfCfCfUmUmUmCmUmUmCmUmAmAmA*iabGalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfG	116

	strand	mUfGmGmGmAmG*mU*mU	
Conjugate 162	Sense strand	iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 163	Sense strand	iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 164	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmBfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	256
Conjugate 165	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmBfAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	257
Conjugate 166	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmBfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	258
Conjugate 167	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmBmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	258
Conjugate 168	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAmBmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	259
Conjugate 169	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGmBmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	260
Conjugate 170	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmBmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	261
Conjugate 171	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmBmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	262
Conjugate 172	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmBmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	263
Conjugate 173	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmBmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	264
Conjugate 174	Sense strand	mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmBmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	264
Conjugate 175	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21

	Antisense strand	eVPmU*fU*mAmGmAfAmGmBmAmAmAmGmGfU mGfGmGmAmGmA*mU*mU	265
Conjugate 176	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmBmAmAmAmGfG mUfGmGmGmAmG*mU*mU	266
Conjugate 177	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmBmAmAmGmAmAfA mAfGmGmUmGmG*mU*mU	267
Conjugate 178	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAmBmAmAmGmAmAf AmAfGmGmUmGmG*mU*mU	267
Conjugate 179	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmXfAmGmAmAmAmAmGmGfU mGfGmGmAmGmA*mU*mU	268
Conjugate 180	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmXfAmGmAmAmAmAmGfG mUfGmGmGmAmG*mU*mU	269
Conjugate 181	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmXfUmAmGmAmAmGmAmAfA mAfGmGmUmGmG*mU*mU	270
Conjugate 182	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmXmUmAmGmAmAmGmAmAf AmAfGmGmUmGmG*mU*mU	270
Conjugate 183	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAmXmGmAmAmAmAmGmGf UmGfGmGmAmGmA*mU*mU	271
Conjugate 184	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGmXmAmGmAmAmAmAmGf GmUfGmGmGmAmG*mU*mU	272
Conjugate 185	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmXmAmGmAmAmGmAmAf AmAfGmGmUmGmG*mU*mU	273
Conjugate 186	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmXmAmAmAmAmGmGfU mGfGmGmAmGmA*mU*mU	274
Conjugate 187	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmXmGmAmAmAmAmGfG mUfGmGmGmAmG*mU*mU	275
Conjugate 188	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmXmGmAmAmGmAmAfA mAfGmGmUmGmG*mU*mU	276
Conjugate	Sense	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA	23

189	strand	mAmUmGmAmA*GalNAc(L96)	
	Antisense strand	eVPmU*fU*mCmAmUmUmXmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	276
Conjugate 190	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGmXmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	277
Conjugate 191	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmXmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	278
Conjugate 192	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmXmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	279
Conjugate 193	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAmXmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	279
Conjugate 194	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGm6AfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 195	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAm6AfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	280
Conjugate 196	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAm6AfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	281
Conjugate 197	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAm6AmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	281
Conjugate 198	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAm6AmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	115
Conjugate 199	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGm6AmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116
Conjugate 200	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUm6AmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	282
Conjugate 201	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAm6AmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mU	283
Conjugate 202	Sense strand	mC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAm6AmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*mU	116

Conjugate 203	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUm6AmGmAmAmGmAmAf AmAfGmGmUmGmG*mU*mU	105
Conjugate 204	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUm6AmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU	105
Conjugate 205	Sense strand	mU*mC*mUmCmCmCmAfCfCfUmUmUmUmCmU mUmCmUmAmA*GalNAc(L96)	21
	Antisense strand	eVPmU*fU*mAmGmAfAmGm6AmAmAmAmGmGf UmGfGmGmAmGmA*mU*mU	115
Conjugate 206	Sense strand	mC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmU mCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAm6AmAmAmAmAmGf GmUfGmGmGmAmG*mU*mU	284
Conjugate 207	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAm6AmAmAmGmAmAf AmAfGmGmUmGmG*mU*mU	285
Conjugate 208	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAm6AmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU	285
Conjugate 209	Sense strand	mG*mC*mGmGmAmUfGmAfGfAfGmAmGmAmGm CmCmCmAmCmAGalNAc(L96)	33
	Antisense strand	mU*fG*mUmGmGfGmCmUmCmUmCmUmCfUmCf AmUmCmCmGmC*mU*mU	130
Conjugate 210	Sense strand	mC*mG*mGmAmUmGfAmGfAfGfAmGmAmGmCm CmCmAmCmAmGGalNAc(L96)	34
	Antisense strand	mC*fU*mGmUmGfGmGmCmUmCmUmCmUfCmUf CmAmUmCmCmG*mC*mU	131
Conjugate 211	Sense strand	mG*mA*mGmAmGmAfGmAfGfCfCmCmAmCmAm GmAmGmUmCmUGalNAc(L96)	35
	Antisense strand	mA*fG*mAmCmUfCmUmGmUmGmGmGmCfUmCf UmCmUmCmUmC*mG*mG	132
Conjugate 212	Sense strand	mA*mG*mCmCmCmAfCmAfGfAfGmUmCmUfAmC mCmCmA*mA*mUGalNAc(L96)	36
	Antisense strand	mA*fU*mUmGmGfGmUfAfGfAmCmUmCfUmGfU mGmGmGmCmU*mC*mU	133
Conjugate 213	Sense strand	mC*mG*mGmAmUmGfAmGfAfGfAmGmAmGmCm CmCmAmCmAmAGalNAc(L96)	37
	Antisense strand	mU*fU*mGmUmGfGmGfCfUmCmUmCmUfCmUfC mAmUmCmCmG*mG*mG	134
Conjugate 214	Sense strand	mC*mG*mGmAmUmGmAmGfAfGfAmGmAmGmC mCmCmAmCmAmAGalNAc(L96)	37
	Antisense strand	mU*dT*mGmUdGmGdGmCmUmCmUdCmUfCmUm CmAmUmCmCmG*mG*mG	286
Conjugate 215	Sense strand	iab*mG*mC*mCmCmAmCfAmGfAfGfUmCmUmAm CmCmCmAmAmC*mA*iabGalNAc(L96)	38
	Antisense strand	mU*fG*mUmUmGfGmGmUmAmGmAmCmUfCmUf GmUmGmGmGmC*mU*mC	135
Conjugate 216	Sense strand	iab*mG*mC*mCmCmAmCfAmGfAfGfUmCmUmAm CmCmCmAmAmC*mA*iabGalNAc(L96)	38
	Antisense	mU*fG*mUmUmGfGmGmUmAmGmAmCmUfCmUf	136

	strand	GmUmGmG*mG*mC	
Conjugate 217	Sense strand	iab*mG*mC*mCmCmAmCmAmGfAfGfUmCmUmAmCmCmCmAmAmC*mA*iabGalNAc(L96)	38
	Antisense strand	mU*fG*mUfUmGfGmGfUmAfGmAfCmUfCmUfGmUfGmG*fG*mC	136
Conjugate 218	Sense strand	Ser(GN)*mG*mC*mCmCmAmCfAmGfAfGfUmCmUmAmCmCmCmAmA*mC*mA*Ser(GN)	38
	Antisense strand	mU*fG*mUmUmGfGmGmUmAmGmAmCmUfCmUfGmUmGmGmGmC*mU*mC	135
Conjugate 219	Sense strand	Ser(GN)*fG*mC*fCmCfAmCfAmGfAmGfUmCfUmAfCmCfCmAfA*mC*FA*Ser(GN)	38
	Antisense strand	mU*fG*mUfUmGfGmGfUmAfGmAfCmUfCmUfGmUfGmG*fG*mC	136
Conjugate 220	Sense strand	Ser(GN)*mC*mC*mAmCfAmGfAfGfUmCmUmAmCmCmCmAmA*mC*mA*Ser(GN)	39
	Antisense strand	mU*fG*mUfUmGfGmGfUmAfGmAfCmUfCmUfGmU*fG*mG	137
Conjugate 221	Sense strand	mC*mC*mAmCfAmGfAfGfUmCmUmAmCmCmCmAmAmCmAGalNAc(L96)	39
	Antisense strand	mU*fG*mUmUmGfGmGmUmAmGmAmCmUfCmUfGmUmGmG*mG*mC	136
Conjugate 222	Sense strand	iab*mC*mC*mCmAmCmAfGmAfGfUfCmUmAmCmCmCmAmAmCmA*mA*iabGalNAc(L96)	40
	Antisense strand	mU*fU*mGmUmUfGmGmGmUmAmGmAmCfUmCfUmGmUmGmGmG*mC*mU	138
Conjugate 223	Sense strand	iab*mC*mC*mCmAmCmAfGmAfGfUfCmUmAmCmCmCmAmAmCmA*mA*iabGalNAc(L96)	40
	Antisense strand	mU*fU*mGmUmUfGmGmGmUmAmGmAmCfUmCfUmGmUmG*mG*mG	139
Conjugate 224	Sense strand	iab*mC*mC*mCmAmCmAmGmAfGfUfCmUmAmCmCmCmAmAmCmA*mA*iabGalNAc(L96)	40
	Antisense strand	mU*fU*mGfUmUfGmGfGmUfAmGfAmCfUmCfUmGfUmG*fG*mG	139
Conjugate 225	Sense strand	Ser(GN)*mC*mC*mCmAmCmAfGmAfGfUfCmUmAmCmCmCmAmAmC*mA*mA*Ser(GN)	40
	Antisense strand	mU*fU*mGmUmUfGmGmGmUmAmGmAmCfUmCfUmGmUmGmGmG*mC*mU	138
Conjugate 226	Sense strand	Ser(GN)*fC*mC*fCmAfCmAfGmAfGmUfCmUfAmCfCmCfAmAfC*mA*FA*Ser(GN)	40
	Antisense strand	mU*fU*mGfUmUfGmGfGmUfAmGfAmCfUmCfUmGfUmG*fG*mG	139
Conjugate 227	Sense strand	Ser(GN)*mC*mA*mCmAfGmAfGfUfCmUmAmCmCmCmAmAmC*mA*mA*Ser(GN)	41
	Antisense strand	mU*fU*mGfUmUfGmGfGmUfAmGfAmCfUmCfUmG*fU*mG	140
Conjugate 228	Sense strand	mC*mA*mCmAfGmAfGfUfCmUmAmCmCmCmAmAmCmAmAGalNAc(L96)	41
	Antisense strand	mU*fU*mGmUmUfGmGmGmUmAmGmAmCfUmCfUmGmUmG*mG*mG	139
Conjugate 229	Sense strand	tnT*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	224
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*mU*mI	287
Conjugate 230	Sense strand	tnC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22

	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*mU*ml	288
Conjugate 231	Sense strand	tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml	207
Conjugate 232	Sense strand	tnT*mC*mUmCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	224
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmGmA*ml*mU	289
Conjugate 233	Sense strand	tnC*mU*mCmCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	22
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmAmG*ml*mU	290
Conjugate 234	Sense strand	tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU	291
Conjugate 235	Sense strand	tnC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	28
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmG*mU*mU	126
Conjugate 236	Sense strand	tnT*mC*mCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	292
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmA*mU*mU	141
Conjugate 237	Sense strand	tnC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	28
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmG*mU*ml	293
Conjugate 238	Sense strand	tnT*mC*mCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	292
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmA*mU*ml	294
Conjugate 239	Sense strand	tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml	295
Conjugate 240	Sense strand	tnC*mU*mCmCmCmAfCfCfUmUmUmUmCmUmUmCmUmAmA*GalNAc(L96)	28
	Antisense strand	eVPmU*fU*mAmGmAfAmGmAmAmAmAmGmGfUmGfGmGmAmG*ml*mU	296
Conjugate 241	Sense strand	tnT*mC*mCmCmAmCfCfUfUmUmUmCmUmUmCmUmAmAmA*GalNAc(L96)	292
	Antisense strand	eVPmU*fU*mUmAmGfAmAmGmAmAmAmAmGfGmUfGmGmGmA*ml*mU	297
Conjugate 242	Sense strand	tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU	298
Conjugate 243	Sense strand	mC*mA*mCmCmCmCmCfAfGfUmCmUmCmCmCmAmCmCmUmU*GalNAc(L96)	43
	Antisense strand	eVPmA*fA*mGmGmUfGmGmGmAmGmAmCmUfGmGfGmGmGmUmG*mA*mC	142
Conjugate	Sense	mA*mC*mCmCmCmCmAfGfUfCmUmCmCmCmA	44

244	strand	mCmCmUmUmU*GalNAc(L96)	
	Antisense strand	eVPmA*fA*mAmGmGfUmGmGmGmAmGmAmCfUmGfGmGmGmUmU*mG*mA	143
Conjugate 245	Sense strand	mC*mC*mCmCmCmAmGfUfCfUmCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	45
	Antisense strand	eVPmA*fA*mAmAmGfGmUmGmGmGmAmGmAfCmUfGmGmGmGmG*mU*mG	144
Conjugate 246	Sense strand	mC*mC*mCmCmAmGmUfCfUfCmCmCmAmCmCmUmUmUmUmU*GalNAc(L96)	46
	Antisense strand	eVPmA*fA*mAmAmAfGmGmUmGmGmGmAmGfAmCfUmGmGmGmG*mG*mU	145
Conjugate 247	Sense strand	mC*mC*mCmAmGmUmCfUfCfCmCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	47
	Antisense strand	eVPmA*fG*mAmAmAfAmGmGmUmGmGmGmAfGmAfCmUmGmGmG*mG*mG	146
Conjugate 248	Sense strand	mC*mC*mAmGmUmCmUfCfCfCmAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	48
	Antisense strand	eVPmA*fA*mGmAmAfAmAmGmGmUmGmGmGfAmGfAmCmUmGmG*mG*mG	147
Conjugate 249	Sense strand	mC*mA*mGmUmCmUmCfCfCfAmCmCmUmUmUmUmUmCmUmU*GalNAc(L96)	49
	Antisense strand	eVPmA*fA*mAmGmAfAmAmAmGmGmUmGmGfGmAfGmAmCmUmG*mG*mG	148
Conjugate 250	Sense strand	mA*mG*mUmCmUmCmCfCfAfCmCmUmUmUmUmUmCmUmUmCmU*GalNAc(L96)	50
	Antisense strand	eVPmA*fG*mAmAmGfAmAmAmAmGmGmUmGfGmGfAmGmAmCmU*mG*mG	149
Conjugate 251	Sense strand	mG*mU*mCmUmCmCmCfAfCfCmUmUmUmUmUmUmUmUmCmUmUmCmA*GalNAc(L96)	51
	Antisense strand	eVPmU*fA*mGmAmAfGmAmAmAmAmGmGmUfGmGfGmAmGmAmC*mU*mG	150
Conjugate 252	Sense strand	mU*mC*mCmCmAmCmCfUfUfUmUmCmUmUmUmUmUmAmAmUmA*GalNAc(L96)	52
	Antisense strand	eVPmU*fA*mUmUmAfGmAmAmGmAmAmAmAfGmGfUmGmGmGmA*mG*mA	151
Conjugate 253	Sense strand	mC*mC*mCmAmCmCmUfUfUfUmCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	53
	Antisense strand	eVPmU*fC*mAmUmUfAmGmAmAmGmAmAmAfAmGfGmUmGmGmG*mA*mG	152
Conjugate 254	Sense strand	mC*mA*mCmCmUmUmUfUfCfUmUmCmUmAmAmUmUmGmAmGmU*GalNAc(L96)	54
	Antisense strand	eVPmA*fC*mUmCmAfUmUmAmGmAmAmGmAfAmAfAmGmGmUmG*mG*mG	153
Conjugate 255	Sense strand	mA*mC*mCmUmUmUmUfCfUfUmCmUmAmAmUmUmGmAmGmUmU*GalNAc(L96)	55
	Antisense strand	eVPmA*fA*mCmUmCfAmUmUmAmGmAmAmGfAmAfAmAmGmGmU*mG*mG	154
Conjugate 256	Sense strand	mC*mC*mUmUmUmUmCfUfUfCmUmAmAmUmGmAmGmUmCmA*GalNAc(L96)	56
	Antisense strand	eVPmU*fG*mAmCmUfCmAmUmUmAmGmAmAfGmAfAmAmAmGmG*mU*mG	155
Conjugate 257	Sense strand	mC*mU*mUmUmUmCmUfUfCfUmAmAmUmGmA mGmUmCmGmA*GalNAc(L96)	57
	Antisense strand	eVPmU*fC*mGmAmCfUmCmAmUmUmAmGmAfAmGfAmAmAmAmG*mG*mU	156

Conjugate 258	Sense strand	mU*mU*mUmUmCmUmUfCfUfAmAmUmGmAmGmUmCmGmAmU*GalNAc(L96)	58
	Antisense strand	eVPmA*fU*mCmGmAfCmUmCmAmUmUmAmGfAmAfGmAmAmAmA*mG*mG	157
Conjugate 259	Sense strand	mU*mU*mUmCmUmUmCfUfAfAmUmGmAmGmUmCmGmAmCmU*GalNAc(L96)	59
	Antisense strand	eVPmA*fG*mUmCmGfAmCmUmCmAmUmUmAfGmAfAmGmAmAmA*mA*mG	158
Conjugate 260	Sense strand	mC*mA*mCmCmCfCmCfAfGfUmCmUmCmCmCmAmCmCmUmU*GalNAc(L96)	43
	Antisense strand	eVPmA*fA*mGmGmUfGmGmGmAmGmAmCmUfGmGfGmGmGmUmG*mA*mC	142
Conjugate 261	Sense strand	mA*mC*mCmCmCfCmAfGfUfCmUmCmCmCmAmCmCmUmU*GalNAc(L96)	44
	Antisense strand	eVPmA*fA*mAmGmGfUmGmGmGmAmGmAmCfUmGfGmGmGmGmU*mG*mA	143
Conjugate 262	Sense strand	mC*mC*mCmCmCfAmGfUfCfUmCmCmCmAmCmCmUmUmU*GalNAc(L96)	45
	Antisense strand	eVPmA*fA*mAmAmGfGmUmGmGmGmAmGmAfCmUfGmGmGmGmG*mU*mG	144
Conjugate 263	Sense strand	mC*mC*mCmCmAfGmUfCfUfCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	46
	Antisense strand	eVPmA*fA*mAmAmAfGmGmUmGmGmGmAmGfAmCfUmGmGmGmG*mG*mU	145
Conjugate 264	Sense strand	mC*mC*mCmAmGfUmCfUfCfCmCmAmCmCmUmUmUmCmU*GalNAc(L96)	47
	Antisense strand	eVPmA*fG*mAmAmAfAmGmGmUmGmGmGmAfGmAfCmUmGmGmG*mG*mG	146
Conjugate 265	Sense strand	mC*mC*mAmGmUfCmUfCfCfCmAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	48
	Antisense strand	eVPmA*fA*mGmAmAfAmAmGmGmUmGmGmGfAmGfAmCmUmGmG*mG*mG	147
Conjugate 266	Sense strand	mC*mA*mGmUmCfUmCfCfCfAmCmCmUmUmUmUmCmUmUmU*GalNAc(L96)	49
	Antisense strand	eVPmA*fA*mAmGmAfAmAmAmGmGmUmGmGfGmAfGmAmCmUmG*mG*mG	148
Conjugate 267	Sense strand	mA*mG*mUmCmUfCmCfCfAfCmCmUmUmUmUmCmUmUmCmU*GalNAc(L96)	50
	Antisense strand	eVPmA*fG*mAmAmGfAmAmAmAmGmGmUmGfGmGfAmGmAmCmU*mG*mG	149
Conjugate 268	Sense strand	mG*mU*mCmUmCfCmCfAfCfCmUmUmUmUmCmUmUmCmUmA*GalNAc(L96)	51
	Antisense strand	eVPmU*fA*mGmAmAfGmAmAmAmAmGmGmUfGmGfGmAmGmAmC*mU*mG	150
Conjugate 269	Sense strand	mU*mC*mCmCmAfCmCfUfUfUmUmCmUmUmCmUmAmAmUmA*GalNAc(L96)	52
	Antisense strand	eVPmU*fA*mUmUmAfGmAmAmGmAmAmAmAfGmGfUmGmGmGmA*mG*mA	151
Conjugate 270	Sense strand	mC*mC*mCmAmCfCmUfUfUfUmCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	53
	Antisense strand	eVPmU*fC*mAmUmUfAmGmAmAmGmAmAmAfAmGfGmUmGmGmG*mA*mG	152
Conjugate 271	Sense strand	mC*mA*mCmCmUfUmUfUfCfUmUmCmUmAmAmUmGmAmGmU*GalNAc(L96)	54
	Antisense	eVPmA*fC*mUmCmAfUmUmAmGmAmAmGmAfA	153

	strand	mAfAmGmGmUmG*mG*mG	
Conjugate 272	Sense strand	mA*mC*mCmUmUfUmUfCfUfUmCmUmAmAmUmGmAmGmUmU*GalNAc(L96)	55
	Antisense strand	eVPmA*fA*mCmUmCfAmUmUmAmGmAmAmGfAmAfAmAmGmGmU*mG*mG	154
Conjugate 273	Sense strand	mC*mC*mUmUmUfUmCfUfUfCmUmAmAmUmGmAmGmUmCmA*GalNAc(L96)	56
	Antisense strand	eVPmU*fG*mAmCmUfCmAmUmUmAmGmAmAfGmAfAmAmAmGmG*mU*mG	155
Conjugate 274	Sense strand	mC*mU*mUmUmUfCmUfUfCfUmAmAmUmGmAmGmUmCmGmA*GalNAc(L96)	57
	Antisense strand	eVPmU*fC*mGmAmCfUmCmAmUmUmAmGmAfAmGfAmAmAmAmG*mG*mU	156
Conjugate 275	Sense strand	mU*mU*mUmUmCfUmUfCfUfAmAmUmGmAmGmUmCmGmAmU*GalNAc(L96)	58
	Antisense strand	eVPmA*fU*mCmGmAfCmUmCmAmUmUmAmGfAmAfGmAmAmAmA*mG*mG	157
Conjugate 276	Sense strand	mU*mU*mUmCmUfUmCfUfAfAmUmGmAmGmUmCmGmAmCmU*GalNAc(L96)	59
	Antisense strand	eVPmA*fG*mUmCmGfAmCmUmCmAmUmUmAfGmAfAmGmAmAmA*mA*mG	158
Conjugate 277	Sense strand	mC*mA*mCmCmCfCmCfAfGfUmCmUmCmCmAmCmCmUmU*GalNAc(L96)	43
	Antisense strand	eVPmA*fA*mGmGmUfGmGfGfAmGmAmCmUfGmGfGmGmUmG*mA*mC	142
Conjugate 278	Sense strand	mA*mC*mCmCmCfCmAfGfUfCmUmCmCmCmAmCmCmUmU*GalNAc(L96)	44
	Antisense strand	eVPmA*fA*mAmGmGfUmGfGfGmAmGmAmCfUmGfGmGmGmU*mG*mA	143
Conjugate 279	Sense strand	mC*mC*mCmCmCfAmGfUfCfUmCmCmCmAmCmCmUmUmU*GalNAc(L96)	45
	Antisense strand	eVPmA*fA*mAmAmGfGmUfGfGmGmAmGmAfCmUfGmGmGmGmG*mU*mG	144
Conjugate 280	Sense strand	mC*mC*mCmCmAfGmUfCfUfCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	46
	Antisense strand	eVPmA*fA*mAmAmAfGmGfUfGmGmGmAmGfAmCfUmGmGmGmG*mG*mU	145
Conjugate 281	Sense strand	mC*mC*mCmAmGfUmCfUfCfCmCmAmCmCmUmUmUmCmU*GalNAc(L96)	47
	Antisense strand	eVPmA*fG*mAmAmAfAmGfGfUmGmGmGmAfGmAfCmUmGmGmG*mG*mG	146
Conjugate 282	Sense strand	mC*mC*mAmGmUfCmUfCfCfCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	48
	Antisense strand	eVPmA*fA*mGmAmAfAmAfGfGmUmGmGmGfAmGfAmCmUmGmG*mG*mG	147
Conjugate 283	Sense strand	mC*mA*mGmUmCfUmCfCfCfAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	49
	Antisense strand	eVPmA*fA*mAmGmAfAmAfAfGmGmUmGmGfGmAfGmAmCmUmG*mG*mG	148
Conjugate 284	Sense strand	mA*mG*mUmCmUfCmCfCfAfCmCmUmUmUmUmCmUmCmU*GalNAc(L96)	50
	Antisense strand	eVPmA*fG*mAmAmGfAmAfAfAmGmGmUmGfGmGfAmGmAmCmU*mG*mG	149
Conjugate 285	Sense strand	mG*mU*mCmUmCfCmCfAfCfCmUmUmUmUmCmUmUmCmUmA*GalNAc(L96)	51

	Antisense strand	eVPmU*fA*mGmAmAfGmAfAfAmAmGmGmUfGmGfGmAmGmAmC*mU*mG	150
Conjugate 286	Sense strand	mU*mC*mCmCmAfCmCfUfUfUmUmCmUmUmCmUmAmAmUmA*GalNAc(L96)	52
	Antisense strand	eVPmU*fA*mUmUmAfGmAfAfGmAmAmAmAfGmGfUmGmGmGmA*mG*mA	151
Conjugate 287	Sense strand	mC*mC*mCmAmCfCmUfUfUfUmCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	53
	Antisense strand	eVPmU*fC*mAmUmUfAmGfAfAmGmAmAmAfAmGfGmUmGmGmG*mA*mG	152
Conjugate 288	Sense strand	mC*mA*mCmCmUfUmUfUfCfUmUmCmUmAmAmUmGmAmGmU*GalNAc(L96)	54
	Antisense strand	eVPmA*fC*mUmCmAfUmUfAfGmAmAmGmAfAmAfAmGmGmUmG*mG*mG	153
Conjugate 289	Sense strand	mA*mC*mCmUmUfUmUfCfUfUmCmUmAmAmUmGmAmGmUmU*GalNAc(L96)	55
	Antisense strand	eVPmA*fA*mCmUmCfAmUfUfAmGmAmAmGfAmAfAmAmGmGmU*mG*mG	154
Conjugate 290	Sense strand	mC*mC*mUmUmUfUmCfUfUfCmUmAmAmUmGmAmGmUmCmA*GalNAc(L96)	56
	Antisense strand	eVPmU*fG*mAmCmUfCmAfUfUmAmGmAmAfGmAfAmAmAmGmG*mU*mG	155
Conjugate 291	Sense strand	mC*mU*mUmUmUfCmUfUfCfUmAmAmUmGmAmGmUmCmGmA*GalNAc(L96)	57
	Antisense strand	eVPmU*fC*mGmAmCfUmCfAfUmUmAmGmAfAmGfAmAmAmAmG*mG*mU	156
Conjugate 292	Sense strand	mU*mU*mUmUmCfUmUfCfUfAmAmUmGmAmGmUmCmGmAmU*GalNAc(L96)	58
	Antisense strand	eVPmA*fU*mCmGmAfCmUfCfAmUmUmAmGfAmAfGmAmAmAmA*mG*mG	157
Conjugate 293	Sense strand	mU*mU*mUmCmUfUmCfUfAfAmUmGmAmGmUmCmGmAmCmU*GalNAc(L96)	59
	Antisense strand	eVPmA*fG*mUmCmGfAmCfUfCmAmUmUmAfGmAfAmGmAmAmA*mA*mG	158
Conjugate 294	Sense strand	mA*mC*mCmCmCmCfAfGfUmCmUmCmCmCmA mCmCmUmU*GalNAc(L96)	60
	Antisense strand	eVPmA*fA*mGmGmUfGmGmGmAmGmAmCmUfGmGfGmGmGmU*mG*mA	159
Conjugate 295	Sense strand	mC*mC*mCmCmCmAfGfUfCmUmCmCmCmAmCmCmUmUmU*GalNAc(L96)	61
	Antisense strand	eVPmA*fA*mAmGmGfUmGmGmGmAmGmAmCfUmGfGmGmGmG*mU*mG	160
Conjugate 296	Sense strand	mC*mC*mCmCmAmGfUfCfUmCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	62
	Antisense strand	eVPmA*fA*mAmAmGfGmUmGmGmGmAmGmAfCmUfGmGmGmG*mG*mU	161
Conjugate 297	Sense strand	mC*mC*mCmAmGmUfCfUfCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	63
	Antisense strand	eVPmA*fA*mAmAmAfGmGmUmGmGmGmAmGfAmCfUmGmGmG*mG*mG	162
Conjugate 298	Sense strand	mC*mC*mAmGmUmCfUfCfCmCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	64
	Antisense strand	eVPmA*fG*mAmAmAfAmGmGmUmGmGmGmAfGmAfCmUmGmG*mG*mG	163
Conjugate	Sense	mC*mA*mGmUmCmUfCfCfCmAmCmCmUmUmU	65

299	strand	mUmCmUmU*GalNAc(L96)	
	Antisense strand	eVPmA*fA*mGmAmAfAmAmGmGmUmGmGmGfA mGfAmCmUmG*mG*mG	164
Conjugate 300	Sense strand	mA*mG*mUmCmUmCfCfCfAmCmCmUmUmUmU mCmUmUmU*GalNAc(L96)	66
	Antisense strand	eVPmA*fA*mAmGmAfAmAmAmGmGmUmGmGfG mAfGmAmCmU*mG*mG	165
Conjugate 301	Sense strand	mG*mU*mCmUmCmCfCfAfCmCmUmUmUmUmC mUmUmCmU*GalNAc(L96)	67
	Antisense strand	eVPmA*fG*mAmAmGfAmAmAmAmGmGmUmGfG mGfAmGmAmC*mU*mG	166
Conjugate 302	Sense strand	mU*mC*mUmCmCmCfAfCfCmUmUmUmUmCmU mUmCmUmA*GalNAc(L96)	68
	Antisense strand	eVPmU*fA*mGmAmAfGmAmAmAmAmGmGmUfG mGfGmAmGmA*mC*mU	167
Conjugate 303	Sense strand	mC*mC*mCmAmCmCfUfUfUmUmCmUmUmCmU mAmAmUmA*GalNAc(L96)	69
	Antisense strand	eVPmU*fA*mUmUmAfGmAmAmGmAmAmAmAfG mGfUmGmGmG*mA*mG	168
Conjugate 304	Sense strand	mC*mC*mAmCmCmUfUfUfUmCmUmUmCmUmA mAmUmGmA*GalNAc(L96)	70
	Antisense strand	eVPmU*fC*mAmUmUfAmGmAmAmGmAmAmAfA mGfGmUmGmG*mG*mA	169
Conjugate 305	Sense strand	mA*mC*mCmUmUmUfUfCfUmUmCmUmAmAmU mGmAmGmU*GalNAc(L96)	71
	Antisense strand	eVPmA*fC*mUmCmAfUmUmAmGmAmAmGmAfA mAfAmGmGmU*mG*mG	170
Conjugate 306	Sense strand	mC*mC*mUmUmUmUfCfUfUmCmUmAmAmUmG mAmGmUmU*GalNAc(L96)	72
	Antisense strand	eVPmA*fA*mCmUmCfAmUmUmAmGmAmAmGfA mAfAmAmGmG*mU*mG	171
Conjugate 307	Sense strand	mC*mU*mUmUmUmCfUfUfCmUmAmAmUmGmA mGmUmCmA*GalNAc(L96)	73
	Antisense strand	eVPmU*fG*mAmCmUfCmAmUmUmAmGmAmAfG mAfAmAmAmG*mG*mU	172
Conjugate 308	Sense strand	mU*mU*mUmUmCmUfUfCfUmAmAmUmGmAmG mUmCmGmA*GalNAc(L96)	74
	Antisense strand	eVPmU*fC*mGmAmCfUmCmAmUmUmAmGmAfA mGfAmAmAmA*mG*mG	173
Conjugate 309	Sense strand	mU*mU*mUmCmUmUfCfUfAmAmUmGmAmGmU mCmGmAmU*GalNAc(L96)	75
	Antisense strand	eVPmA*fU*mCmGmAfCmUmCmAmUmUmAmGfA mAfGmAmAmA*mA*mG	174
Conjugate 310	Sense strand	mU*mU*mCmUmUmCfUfAfAmUmGmAmGmUmC mGmAmCmU*GalNAc(L96)	76
	Antisense strand	eVPmA*fG*mUmCmGfAmCmUmCmAmUmUmAfG mAfAmGmAmA*mA*mA	175
Conjugate 311	Sense strand	mA*mC*mCmCfCmCfAfGfUmCmUmCmCmAmCm CmCmUmU*GalNAc(L96)	60
	Antisense strand	eVPmA*fA*mGmGmUfGmGmGmAmGmAmCmUfG mGfGmGmGmU*mG*mA	159
Conjugate 312	Sense strand	mC*mC*mCmCfCmAfGfUfCmUmCmCmCmAmCm CmUmUmU*GalNAc(L96)	61
	Antisense strand	eVPmA*fA*mAmGmGfUmGmGmGmAmGmAmCfU mGfGmGmGmG*mU*mG	160

Conjugate 313	Sense strand	mC*mC*mCmCfAmGfUfCfUmCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	62
	Antisense strand	eVPmA*fA*mAmAmGfGmUmGmGmGmAmGmAfCmUfGmGmGmG*mG*mU	161
Conjugate 314	Sense strand	mC*mC*mCmAfGmUfCfUfCmCmCmAmCmCmUmUmUmUmU*GalNAc(L96)	63
	Antisense strand	eVPmA*fA*mAmAmAfGmGmUmGmGmGmAmGfAmCfUmGmGmG*mG*mG	162
Conjugate 315	Sense strand	mC*mC*mAmGfUmCfUfCfCmCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	64
	Antisense strand	eVPmA*fG*mAmAmAfAmGmGmUmGmGmGmAfGmAfCmUmGmG*mG*mG	163
Conjugate 316	Sense strand	mC*mA*mGmUfCmUfCfCfCmAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	65
	Antisense strand	eVPmA*fA*mGmAmAfAmAmGmGmUmGmGmGfAmGfAmCmUmG*mG*mG	164
Conjugate 317	Sense strand	mA*mG*mUmCfUmCfCfCfAmCmCmUmUmUmUmCmUmUmU*GalNAc(L96)	66
	Antisense strand	eVPmA*fA*mAmGmAfAmAmAmGmGmUmGmGfGmAfGmAmCmU*mG*mG	165
Conjugate 318	Sense strand	mG*mU*mCmUfCmCfCfAfCmCmUmUmUmUmCmUmUmCmU*GalNAc(L96)	67
	Antisense strand	eVPmA*fG*mAmAmGfAmAmAmAmGmGmUmGfGmGfAmGmAmC*mU*mG	166
Conjugate 319	Sense strand	mU*mC*mUmCfCmCfAfCfCmUmUmUmUmCmUmUmCmUmA*GalNAc(L96)	68
	Antisense strand	eVPmU*fA*mGmAmAfGmAmAmAmAmGmGmUfGmGfGmAmGmA*mC*mU	167
Conjugate 320	Sense strand	mC*mC*mCmAfCmCfUfUfUmUmCmUmUmCmUmAmAmUmA*GalNAc(L96)	69
	Antisense strand	eVPmU*fA*mUmUmAfGmAmAmGmAmAmAmAfGmGfUmGmGmG*mA*mG	168
Conjugate 321	Sense strand	mC*mC*mAmCfCmUfUfUfUmCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	70
	Antisense strand	eVPmU*fC*mAmUmUfAmGmAmAmGmAmAmAfAmGfGmUmGmG*mG*mA	169
Conjugate 322	Sense strand	mA*mC*mCmUfUmUfUfCfUmUmCmUmAmAmUmGmAmGmU*GalNAc(L96)	71
	Antisense strand	eVPmA*fC*mUmCmAfUmUmAmGmAmAmGmAfAmAfAmGmGmU*mG*mG	170
Conjugate 323	Sense strand	mC*mC*mUmUfUmUfCfUfUmCmUmAmAmUmGmAmGmUmU*GalNAc(L96)	72
	Antisense strand	eVPmA*fA*mCmUmCfAmUmUmAmGmAmAmGfAmAfAmAmGmG*mU*mG	171
Conjugate 324	Sense strand	mC*mU*mUmUfUmCfUfUfCmUmAmAmUmGmAmGmUmCmA*GalNAc(L96)	73
	Antisense strand	eVPmU*fG*mAmCmUfCmAmUmUmAmGmAmAfGmAfAmAmAmG*mG*mU	172
Conjugate 325	Sense strand	mU*mU*mUmUfCmUfUfCfUmAmAmUmGmAmGmUmCmGmA*GalNAc(L96)	74
	Antisense strand	eVPmU*fC*mGmAmCfUmCmAmUmUmAmGmAfAmGfAmAmAmA*mG*mG	173
Conjugate 326	Sense strand	mU*mU*mUmCfUmUfCfUfAmAmUmGmAmGmUmCmGmAmU*GalNAc(L96)	75
	Antisense	eVPmA*fU*mCmGmAfCmUmCmAmUmUmAmGfAm	174

	strand	mAfGmAmAmA*mA*mG	
Conjugate 327	Sense strand	mU*mU*mCmUfUmCfUfAfAmUmGmAmGmUmCmGmAmCmU*GalNAc(L96)	76
	Antisense strand	eVPmA*fG*mUmCmGfAmCmUmCmAmUmUmAfGmAfAmGmAmA*mA*mA	175
Conjugate 328	Sense strand	mA*mC*mCmCfCmCfAfGfUmCmUmCmCmCmAmCmCmUmU*GalNAc(L96)	60
	Antisense strand	eVPmA*fA*mGmGmUfGmGfGfAmGmAmCmUfGmGfGmGmGmU*mG*mA	159
Conjugate 329	Sense strand	mC*mC*mCmCfCmAfGfUfCmUmCmCmCmAmCmCmUmUmU*GalNAc(L96)	61
	Antisense strand	eVPmA*fA*mAmGmGfUmGfGfGmAmGmAmCfUmGfGmGmGmG*mU*mG	160
Conjugate 330	Sense strand	mC*mC*mCmCfAmGfUfCfUmCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	62
	Antisense strand	eVPmA*fA*mAmAmGfGmUfGfGmGmAmGmAfCmUfGmGmGmG*mG*mU	161
Conjugate 331	Sense strand	mC*mC*mCmAfGmUfCfUfCmCmCmAmCmCmUmUmUmUmU*GalNAc(L96)	63
	Antisense strand	eVPmA*fA*mAmAmAfGmGfUfGmGmGmAmGfAmCfUmGmGmG*mG*mG	162
Conjugate 332	Sense strand	mC*mC*mAmGfUmCfUfCfCmCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	64
	Antisense strand	eVPmA*fG*mAmAmAfAmGfGfUmGmGmGmAfGmAfCmUmGmG*mG*mG	163
Conjugate 333	Sense strand	mC*mA*mGmUfCmUfCfCfCmAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	65
	Antisense strand	eVPmA*fA*mGmAmAfAmAfGfGmUmGmGmGfAmGfAmCmUmG*mG*mG	164
Conjugate 334	Sense strand	mA*mG*mUmCfUmCfCfCfAmCmCmUmUmUmUmCmUmUmU*GalNAc(L96)	66
	Antisense strand	eVPmA*fA*mAmGmAfAmAfAfGmGmUmGmGfGmAfGmAmCmU*mG*mG	165
Conjugate 335	Sense strand	mG*mU*mCmUfCmCfCfAfCmCmUmUmUmUmCmUmUmCmU*GalNAc(L96)	67
	Antisense strand	eVPmA*fG*mAmAmGfAmAfAfAmGmGmUmGfGmGfAmGmAmC*mU*mG	166
Conjugate 336	Sense strand	mU*mC*mUmCfCmCfAfCfCmUmUmUmUmCmUmUmCmUmA*GalNAc(L96)	68
	Antisense strand	eVPmU*fA*mGmAmAfGmAfAfAmAmGmGmUfGmGfGmAmGmA*mC*mU	167
Conjugate 337	Sense strand	mC*mC*mCmAfCmCfUfUfUmUmCmUmUmCmUmAmAmUmA*GalNAc(L96)	69
	Antisense strand	eVPmU*fA*mUmUmAfGmAfAfGmAmAmAmAfGmGfUmGmGmG*mA*mG	168
Conjugate 338	Sense strand	mC*mC*mAmCfCmUfUfUfUmCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	70
	Antisense strand	eVPmU*fC*mAmUmUfAmGfAfAmGmAmAmAfAmGfGmUmGmG*mG*mA	169
Conjugate 339	Sense strand	mA*mC*mCmUfUmUfUfCfUmUmCmUmAmAmUmGmAmGmU*GalNAc(L96)	71
	Antisense strand	eVPmA*fC*mUmCmAfUmUfAfGmAmAmGmAfAmAfAmGmGmU*mG*mG	170
Conjugate 340	Sense strand	mC*mC*mUmUfUmUfCfUfUmCmUmAmAmUmGmAmGmUmU*GalNAc(L96)	72

	Antisense strand	eVPmA*fA*mCmUmCfAmUfUfAmGmAmAmGfAmAfAmAmGmG*mU*mG	171
Conjugate 341	Sense strand	mC*mU*mUmUfUmCfUfCmUmAmAmUmGmAmGmUmCmA*GalNAc(L96)	73
	Antisense strand	eVPmU*fG*mAmCmUfCmAfUfUmAmGmAmAfGmAfAmAmAmG*mG*mU	172
Conjugate 342	Sense strand	mU*mU*mUmUfCmUfUfCfUmAmAmUmGmAmGmUmCmGmA*GalNAc(L96)	74
	Antisense strand	eVPmU*fC*mGmAmCfUmCfAfUmUmAmGmAfAmGfAmAmAmA*mG*mG	173
Conjugate 343	Sense strand	mU*mU*mUmCfUmUfCfUfAmAmUmGmAmGmUmCmGmAmU*GalNAc(L96)	75
	Antisense strand	eVPmA*fU*mCmGmAfCmUfCfAmUmUmAmGfAmAfGmAmAmA*mA*mG	174
Conjugate 344	Sense strand	mU*mU*mCmUfUmCfUfAfAmUmGmAmGmUmCmGmAmCmU*GalNAc(L96)	76
	Antisense strand	eVPmA*fG*mUmCmGfAmCfUfCmAmUmUmAfGmAfAmGmAmA*mA*mA	175
Conjugate 345	Sense strand	mU*mC*mAmCmCmCmCfAfGfUmCmUmCmCmCmAmCmUmU*GalNAc(L96)	77
	Antisense strand	eVPmA*fA*mGmGmUfGmGmGmAmGmAmCmUfGmGfGmGmUmGmA*mC*mA	176
Conjugate 346	Sense strand	mC*mA*mCmCmCmCmCfAfGfUfCmUmCmCmCmAmCmUmUmU*GalNAc(L96)	78
	Antisense strand	eVPmA*fA*mAmGmGfUmGmGmGmAmGmAmCfUmGfGmGmGmUmG*mA*mC	177
Conjugate 347	Sense strand	mA*mC*mCmCmCmCmAmGfUfCfUmCmCmCmA mCmCmUmUmUmU*GalNAc(L96)	79
	Antisense strand	eVPmA*fA*mAmAmGfGmUmGmGmGmAmGmAfCmUfGmGmGmGmUmU*mG*mA	178
Conjugate 348	Sense strand	mC*mC*mCmCmCmAmGmUfCfUfCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	80
	Antisense strand	eVPmA*fA*mAmAmAfGmGmUmGmGmGmAmGfAmCfUmGmGmGmGmG*mU*mG	179
Conjugate 349	Sense strand	mC*mC*mCmCmAmGmUmCfUfCfCmCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	81
	Antisense strand	eVPmA*fG*mAmAmAfAmGmGmUmGmGmGmAfGmAfCmUmGmGmGmG*mG*mU	180
Conjugate 350	Sense strand	mC*mC*mCmAmGmUmCmUfCfCfCmAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	82
	Antisense strand	eVPmA*fA*mGmAmAfAmAmGmGmUmGmGmGfAmGfAmCmUmGmGmG*mG*mG	181
Conjugate 351	Sense strand	mC*mC*mAmGmUmCmUmCfCfCfAmCmCmUmUmUmUmCmUmU*GalNAc(L96)	83
	Antisense strand	eVPmA*fA*mAmGmAfAmAmAmGmGmUmGmGfGmAfGmAmCmUmGmG*mG*mG	182
Conjugate 352	Sense strand	mC*mA*mGmUmCmUmCmCfCfAfCmCmUmUmUmUmCmUmU*GalNAc(L96)	84
	Antisense strand	eVPmA*fG*mAmAmGfAmAmAmAmGmGmUmGfGmGfAmGmAmCmUmG*mG*mG	183
Conjugate 353	Sense strand	mA*mG*mUmCmUmCmCmCfAfCfCmUmUmUmUmCmUmUmCmUmA*GalNAc(L96)	85
	Antisense strand	eVPmU*fA*mGmAmAfGmAmAmAmAmGmGmUfGmGfGmAmGmAmCmU*mG*mG	184
Conjugate	Sense	mC*mU*mCmCmCmAmCmCfUfUfUmUmCmUmU	86

354	strand	mCmUmAmAmUmA*GalNAc(L96)	
	Antisense strand	eVPmU*fA*mUmUmAfGmAmAmGmAmAmAfGmGfUmGmGmGmAmG*mA*mC	185
Conjugate 355	Sense strand	mU*mC*mCmCmAmCmCmUfUfUmCmUmUmCmUmAmAmUmGmA*GalNAc(L96)	87
	Antisense strand	eVPmU*fC*mAmUmUfAmGmAmAmGmAmAmAfAmGfGmUmGmGmGmA*mG*mA	186
Conjugate 356	Sense strand	mC*mC*mAmCmCmUmUmUfUfCfUmUmCmUmAmAmUmGmAmGmU*GalNAc(L96)	88
	Antisense strand	eVPmA*fC*mUmCmAfUmUmAmGmAmAmGmAfAmAfAmGmGmUmGmG*mG*mA	187
Conjugate 357	Sense strand	mC*mA*mCmCmUmUmUmUfCfUfUmCmUmAmAmUmGmAmGmUmU*GalNAc(L96)	89
	Antisense strand	eVPmA*fA*mCmUmCfAmUmUmAmGmAmAmGfAmAfAmAmGmGmUmG*mG*mG	188
Conjugate 358	Sense strand	mA*mC*mCmUmUmUmUmCfUfUfCmUmAmAmUmGmAmGmUmCmA*GalNAc(L96)	90
	Antisense strand	eVPmU*fG*mAmCmUfCmAmUmUmAmGmAmAfGmAfAmAmAmGmGmU*mG*mG	189
Conjugate 359	Sense strand	mC*mC*mUmUmUmUmCmUfUfCfUmAmAmUmGmAmGmUmCmGmA*GalNAc(L96)	91
	Antisense strand	eVPmU*fC*mGmAmCfUmCmAmUmUmAmGmAfAmGfAmAmAmAmGmG*mU*mG	190
Conjugate 360	Sense strand	mC*mU*mUmUmUmCmUmUfCfUfAmAmUmGmA mGmUmCmGmAmU*GalNAc(L96)	92
	Antisense strand	eVPmA*fU*mCmGmAfCmUmCmAmUmUmAmGfAmAfGmAmAmAmAmG*mG*mU	191
Conjugate 361	Sense strand	mU*mU*mUmUmCmUmUmCfUfAfAmUmGmAmGmUmCmGmAmCmU*GalNAc(L96)	93
	Antisense strand	eVPmA*fG*mUmCmGfAmCmUmCmAmUmUmAfGmAfAmGmAmAmAmA*mG*mG	192
Conjugate 362	Sense strand	mU*mC*mAmCmCmCfCmCfAfGfUmCmUmCmCmCmAmCmCmUmU*GalNAc(L96)	77
	Antisense strand	eVPmA*fA*mGmGmUfGmGmGmAmGmAmCmUfGmGfGmGmGmUmGmA*mC*mA	176
Conjugate 363	Sense strand	mC*mA*mCmCmCmCfCmAfGfUfCmUmCmCmCmAmCmCmUmUmU*GalNAc(L96)	78
	Antisense strand	eVPmA*fA*mAmGmGfUmGmGmGmAmGmAmCfUmGfGmGmGmUmG*mA*mC	177
Conjugate 364	Sense strand	mA*mC*mCmCmCmCfAmGfUfCfUmCmCmCmAmCmCmUmUmU*GalNAc(L96)	79
	Antisense strand	eVPmA*fA*mAmAmGfGmUmGmGmGmAmGmAfCmUfGmGmGmGmU*mG*mA	178
Conjugate 365	Sense strand	mC*mC*mCmCmCmAfGmUfCfUfCmCmCmAmCmCmUmUmUmU*GalNAc(L96)	80
	Antisense strand	eVPmA*fA*mAmAmAfGmGmUmGmGmGmAmGfAmCfUmGmGmGmGmG*mU*mG	179
Conjugate 366	Sense strand	mC*mC*mCmCmAmGfUmCfUfCfCmCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	81
	Antisense strand	eVPmA*fG*mAmAmAfAmGmGmUmGmGmGmAfGmAfCmUmGmGmGmG*mG*mU	180
Conjugate 367	Sense strand	mC*mC*mCmAmGmUfCmUfCfCfCmAmCmCmUmUmUmUmCmU*GalNAc(L96)	82
	Antisense strand	eVPmA*fA*mGmAmAfAmAmGmGmUmGmGmGfAmGfAmCmUmGmGmG*mG*mG	181

	Antisense strand	eVPmA*fG*mUmCmGfAmCfUfCmAmUmUmAfGmAfAmGmAmAmAmA*mG*mG	192
Conjugate 396	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 397	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 398	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 399	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 400	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 401	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 402	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 403	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 404	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 405	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 406	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 407	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 408	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate	Sense	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAm	23

409	strand	mAmUmGmAmA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 410	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 411	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mI*mU-3'	298
Conjugate 412	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mI*mU-3'	298
Conjugate 413	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmG*mI*mU-3'	298
Conjugate 414	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 415	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 416	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 417	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	295
Conjugate 418	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	295
Conjugate 419	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmG*mU*mI-3'	295
Conjugate 420	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 421	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 422	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mG*mA-3'	301

Conjugate 423	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 424	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 425	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 426	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 427	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 428	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 429	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 430	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 431	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 432	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 433	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 434	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 435	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	306
Conjugate 436	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA	306

	strand	fAmAfGmGmUmG*mI*mU-3'	
Conjugate 437	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 438	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 439	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 440	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 441	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 442	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 443	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 444	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 445	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 446	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 447	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 448	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 449	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 450	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 451	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 452	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 453	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 454	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 455	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 456	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 457	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 458	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 459	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 460	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 461	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 462	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 463	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate	Sense	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAm	23

464	strand	mAmUmGmAmA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 465	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	316
Conjugate 466	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	316
Conjugate 467	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 468	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 469	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 470	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 471	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 472	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 473	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 474	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 475	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 476	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 477	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104

Conjugate 478	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 479	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 480	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 481	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 482	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 483	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 484	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 485	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 486	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 487	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 488	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 489	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 490	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 491	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA	302

	strand	fAmAfGmGmUmG*mG*mG-3'	
Conjugate 492	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 493	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 494	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 495	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 496	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 497	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 498	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 499	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 500	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 501	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 502	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	306
Conjugate 503	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	306
Conjugate 504	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	306
Conjugate 505	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 506	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 507	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mU*mI-3'	307
Conjugate 508	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	308
Conjugate 509	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	308
Conjugate 510	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mU*mI-3'	308
Conjugate 511	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 512	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 513	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 514	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	310
Conjugate 515	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	310
Conjugate 516	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmG*mG*mG-3'	310
Conjugate 517	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 518	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate	Sense	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmA	23

519	strand	mAmUmGmAmA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 520	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 521	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 522	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 523	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 524	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 525	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 526	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 527	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 528	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 529	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 530	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 531	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 532	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml-3'	316

Conjugate 533	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 534	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 535	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 536	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 537	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 538	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 539	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 540	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 541	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 542	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 543	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 544	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 545	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 546	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf	104

	strand	AmAfGmGmUmG*mU*mU-3'	
Conjugate 547	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 548	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 549	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 550	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 551	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 552	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 553	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 554	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 555	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 556	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 557	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 558	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 559	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 560	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 561	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 562	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 563	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 564	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 565	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 566	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 567	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 568	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 569	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 570	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 571	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 572	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 573	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate	Sense	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm	3

574	strand	AmUmGmAtnA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 575	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 576	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 577	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 578	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 579	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 580	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 581	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 582	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 583	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 584	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 585	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 586	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 587	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310

Conjugate 588	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 589	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 590	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 591	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 592	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 593	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 594	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 595	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 596	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 597	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 598	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 599	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 600	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 601	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA	315

	strand	fAmAfGmGmUmGmG*mU*mI-3'	
Conjugate 602	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 603	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 604	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 605	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 606	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 607	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 608	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 609	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 610	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 611	Sense strand	5'-iabmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 612	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 613	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 614	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 615	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 616	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	104
Conjugate 617	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	104
Conjugate 618	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	104
Conjugate 619	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 620	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 621	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 622	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	298
Conjugate 623	Sense strand	5'-iab*mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	298
Conjugate 624	Sense strand	5'-iab*mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	298
Conjugate 625	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 626	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 627	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 628	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	295
Conjugate	Sense	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAm	3

629	strand	mAmUmGmAmA*iabGalNAc(L96)-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	295
Conjugate 630	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmG*mU*mI-3'	295
Conjugate 631	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCm UmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 632	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 633	Sense strand	5'-iab*mC*mC*mAmCmCfUmUfUfCmUmUmCm UmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mG*mA-3'	301
Conjugate 634	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	302
Conjugate 635	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	302
Conjugate 636	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mG*mG-3'	302
Conjugate 637	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCm UmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 638	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 639	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mU*mU-3'	303
Conjugate 640	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mU-3'	304
Conjugate 641	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mU-3'	304
Conjugate 642	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mU*mU-3'	304

Conjugate 643	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 644	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 645	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 646	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 647	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 648	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 649	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 650	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 651	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 652	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 653	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 654	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 655	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 656	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabGalNAc(L96)-3'	23
	Antisense	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	309

	strand	fAmAfGmGmUmGmG*mG*mA-3'	
Conjugate 657	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 658	Sense strand	5'-iab*mC*mCmAmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 659	Sense strand	5'-iab*mC*mCmAmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 660	Sense strand	5'-iab*mC*mCmAmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 661	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 662	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 663	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 664	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 665	Sense strand	5'-iab*mC*mCmAmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 666	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 667	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 668	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 669	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 670	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 671	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 672	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 673	Sense strand	5'-iab*mC*mCmAmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 674	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 675	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 676	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 677	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 678	Sense strand	5'-iab*mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 679	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mG*mA-3'	317
Conjugate 680	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mG*mG-3'	318
Conjugate 681	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mU-3'	230
Conjugate 682	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	319
Conjugate 683	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mG*mA-3'	320
Conjugate	Sense	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm	3

684	strand	AmUmGmAmA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mG*mG-3'	321
Conjugate 685	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mU-3'	322
Conjugate 686	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	323
Conjugate 687	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mG*mA-3'	324
Conjugate 688	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mG*mG-3'	325
Conjugate 689	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mU-3'	326
Conjugate 690	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	327
Conjugate 691	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 692	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 693	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 694	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 695	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 696	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 697	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104

Conjugate 698	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 699	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 700	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 701	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 702	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 703	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 704	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 705	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 706	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 707	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 708	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 709	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 710	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 711	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA	303

	strand	fAmAfGmGmUmGmG*mU*mU-3'	
Conjugate 712	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 713	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 714	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 715	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 716	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 717	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 718	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 719	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 720	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 721	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 722	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 723	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 724	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 725	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 726	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 727	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 728	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 729	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 730	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 731	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 732	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 733	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 734	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 735	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 736	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 737	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 738	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate	Sense	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm	23

739	strand	AmAmUmGmAmA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmGmG*mG*mA-3'	317
Conjugate 740	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmG*mG*mG-3'	318
Conjugate 741	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmGmG*mU*mU-3'	230
Conjugate 742	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmG*mU*mU-3'	319
Conjugate 743	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAf AmAmGmGmUmGmG*mG*mA-3'	320
Conjugate 744	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAf AmAmGmGmUmG*mG*mG-3'	321
Conjugate 745	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAf AmAmGmGmUmGmG*mU*mU-3'	322
Conjugate 746	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAf AmAmGmGmUmG*mU*mU-3'	323
Conjugate 747	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmGmG*mG*mA-3'	324
Conjugate 748	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmG*mG*mG-3'	325
Conjugate 749	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmGmG*mU*mU-3'	326
Conjugate 750	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmG*mU*mU-3'	327
Conjugate 751	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUm AmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmGmG*ml*mU-3'	328
Conjugate 752	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAm AmUmGmAmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmA fAmAmGmGmUmG*ml*mU-3'	329

Conjugate 753	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mI*mU-3'	330
Conjugate 754	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mI*mU-3'	331
Conjugate 755	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mI*mU-3'	332
Conjugate 756	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mI*mU-3'	333
Conjugate 757	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	334
Conjugate 758	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	335
Conjugate 759	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	336
Conjugate 760	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	337
Conjugate 761	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	338
Conjugate 762	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmA*AmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	339
Conjugate 763	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmA*AmGtnAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 764	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmA*AmGtnAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 765	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmA*AmAfGmGmU*mG*mG-3'	340
Conjugate 766	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense	5'-eVPmU*fU*mCmAmUfUmAmGmA*AmGtnAmAfAmAfGmGmU*mG*mG-3'	341

	strand	fAmAfGmG*mU*mG-3'	
Conjugate 767	Sense strand	5'-iabmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 768	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 769	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 770	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 771	Sense strand	5'-iab*mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 772	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 773	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 774	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 775	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 776	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 777	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 778	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 779	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 780	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 781	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 782	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 783	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 784	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 785	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 786	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 787	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 788	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 789	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 790	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	298
Conjugate 791	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	298
Conjugate 792	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	298
Conjugate 793	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate	Sense	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUm	23

794	strand	UmCmUmAmAmUmGmA*'-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 795	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUm UmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 796	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmU mCmUmAmAmUmGmA*'-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mU*mI-3'	295
Conjugate 797	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUm CmUmAmAmUmGmA*'-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mU*mI-3'	295
Conjugate 798	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUm CmUmAmAmUmGmA*'-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmG*mU*mI-3'	295
Conjugate 799	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmU mUmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 800	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUm UmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 801	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUm UmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mG*mA-3'	301
Conjugate 802	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmU mCmUmAmAmUmGmA*'-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mG*mG-3'	302
Conjugate 803	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUm CmUmAmAmUmGmA*'-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mG*mG-3'	302
Conjugate 804	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUm CmUmAmAmUmGmA*'-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mG*mG-3'	302
Conjugate 805	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmU mUmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 806	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUm UmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 807	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUm UmCmUmAmAmUmGmA*'-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mU*mU-3'	303

Conjugate 808	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 809	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 810	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 811	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 812	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 813	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 814	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 815	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 816	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 817	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 818	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 819	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 820	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 821	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	308

	strand	fAmAfGmGmUmG*mU*mI-3'	
Conjugate 822	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 823	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 824	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 825	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 826	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 827	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 828	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 829	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 830	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 831	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 832	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 833	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 834	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 835	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*-3'	23

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 836	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 837	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 838	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	314
Conjugate 839	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	314
Conjugate 840	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	314
Conjugate 841	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 842	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 843	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 844	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	316
Conjugate 845	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	316
Conjugate 846	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	316
Conjugate 847	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 848	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate	Sense	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUm	23

849	strand	UmCmUmAmAmUmG*mA*mA-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 850	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 851	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 852	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 853	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 854	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 855	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 856	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 857	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 858	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 859	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 860	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 861	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 862	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298

Conjugate 863	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 864	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 865	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 866	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 867	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 868	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml-3'	295
Conjugate 869	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml-3'	295
Conjugate 870	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*ml-3'	295
Conjugate 871	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 872	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 873	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 874	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 875	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 876	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA	302

	strand	mAfGmGmUmG*mG*mG-3'	
Conjugate 877	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 878	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 879	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 880	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 881	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 882	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 883	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 884	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 885	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 886	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml*mU-3'	306
Conjugate 887	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml*mU-3'	306
Conjugate 888	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*ml*mU-3'	306
Conjugate 889	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	307
Conjugate 890	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 891	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 892	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 893	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 894	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 895	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 896	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 897	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 898	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 899	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 900	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 901	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 902	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 903	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate	Sense	5'-LP-GalNActnC*mA*mCmCmUmUfUfUfCmUmUm	3

904	strand	mCmUmAmAmUmG*mA*mA-3'	
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 905	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 906	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 907	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 908	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 909	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 910	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 911	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 912	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 913	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 914	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 915	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 916	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 917	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316

Conjugate 918	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 919	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 920	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 921	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 922	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	300
Conjugate 923	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	300
Conjugate 924	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 925	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 926	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 927	Sense strand	5'-LP-GalNActnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 928	Sense strand	5'-LP-GalNActnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 929	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 930	Sense strand	5'-LP-GalNActnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 931	Sense strand	5'-LP-GalNActnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA	291

	strand	fAmAfGmGmUmGmG*mI*mU-3'	
Conjugate 932	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 933	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 934	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 935	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 936	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 937	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 938	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 939	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 940	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 941	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 942	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 943	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 944	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 945	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 946	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 947	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 948	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 949	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 950	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 951	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 952	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	304
Conjugate 953	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	304
Conjugate 954	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	304
Conjugate 955	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 956	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 957	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 958	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	306
Conjugate	Sense	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUm	3

959	strand	CmUmAmAmUmG*mA*tnA-3'	
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 960	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 961	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 962	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 963	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 964	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 965	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 966	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 967	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 968	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 969	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 970	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 971	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 972	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310

Conjugate 973	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 974	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 975	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 976	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 977	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 978	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 979	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 980	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 981	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 982	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml*mU-3'	314
Conjugate 983	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*ml*mU-3'	314
Conjugate 984	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*ml*mU-3'	314
Conjugate 985	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 986	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*tnA*-3'	23
	Antisense	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA	315

	strand	fAmAfGmGmUmGmG*mU*mI-3'	
Conjugate 987	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*tnA*-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 988	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 989	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 990	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmG*mA*tnA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 991	Sense strand	5'-LP-GalNaciab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 992	Sense strand	5'-LP-GalNaciab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 993	Sense strand	5'-LP-GalNaciab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 994	Sense strand	5'-LP-GalNaciab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 995	Sense strand	5'-LP-GalNaciabmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 996	Sense strand	5'-LP-GalNaciab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 997	Sense strand	5'-LP-GalNaciab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 998	Sense strand	5'-LP-GalNaciab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 999	Sense strand	5'-LP-GalNaciab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1000	Sense strand	5'-LP-GalNaciab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1001	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1002	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1003	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1004	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1005	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1006	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1007	Sense strand	5'-LP-GalNAciab*mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1008	Sense strand	5'-LP-GalNAciab*mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1009	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1010	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1011	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1012	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1013	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate	Sense	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUm	3

1014	strand	UmCmUmAmAmUmGmA*mA*iab-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1015	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1016	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1017	Sense strand	5'-LP-GalNAciab*mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1018	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1019	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1020	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1021	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1022	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1023	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1024	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1025	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1026	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1027	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305

Conjugate 1028	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1029	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1030	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1031	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1032	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1033	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1034	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1035	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1036	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1037	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1038	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1039	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1040	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1041	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAf	309

	strand	AmAfGmGmUmGmG*mG*mA-3'	
Conjugate 1042	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1043	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1044	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1045	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1046	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1047	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1048	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1049	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1050	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1051	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1052	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1053	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1054	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	314
Conjugate 1055	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1056	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1057	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1058	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1059	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1060	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1061	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1062	Sense strand	5'-LP-GalNAciab*mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1063	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mG*mA-3'	317
Conjugate 1064	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mG*mG-3'	318
Conjugate 1065	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mU-3'	230
Conjugate 1066	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	319
Conjugate 1067	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mG*mA-3'	320
Conjugate 1068	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mG*mG-3'	321
Conjugate	Sense	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmU	23

1069	strand	mUmCmUmAmAmUmG*mA*mA-3'	
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mU-3'	322
Conjugate 1070	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	323
Conjugate 1071	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mG*mA-3'	324
Conjugate 1072	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mG*mG-3'	325
Conjugate 1073	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mU-3'	326
Conjugate 1074	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	327
Conjugate 1075	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*ml*mU-3'	328
Conjugate 1076	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*ml*mU-3'	329
Conjugate 1077	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*ml*mU-3'	330
Conjugate 1078	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*ml*mU-3'	331
Conjugate 1079	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*ml*mU-3'	332
Conjugate 1080	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*ml*mU-3'	333
Conjugate 1081	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*ml-3'	334
Conjugate 1082	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*ml-3'	335

Conjugate 1083	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	336
Conjugate 1084	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	337
Conjugate 1085	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	338
Conjugate 1086	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	339
Conjugate 1087	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1088	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1089	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	300
Conjugate 1090	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	300
Conjugate 1091	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1092	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1093	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	104
Conjugate 1094	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	104
Conjugate 1095	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1096	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf	291

	strand	AmAfGmGmUmGmG*mI*mU-3'	
Conjugate 1097	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1098	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1099	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1100	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1101	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	295
Conjugate 1102	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1103	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1104	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1105	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1106	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1107	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1108	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1109	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1110	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1111	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1112	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1113	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1114	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1115	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1116	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1117	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1118	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1119	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1120	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1121	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1122	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1123	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate	Sense	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUm	23

1124	strand	mUmCmUmAmAmUmG*mA*mA-3'	
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	311
Conjugate 1125	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1126	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1127	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1128	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1129	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1130	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1131	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1132	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1133	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1134	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1135	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mA-3'	317
Conjugate 1136	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mG*mG-3'	318
Conjugate 1137	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	230

Conjugate 1138	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mU-3'	319
Conjugate 1139	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mA-3'	320
Conjugate 1140	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mG*mG-3'	321
Conjugate 1141	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	322
Conjugate 1142	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mU-3'	323
Conjugate 1143	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mA-3'	324
Conjugate 1144	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mG*mG-3'	325
Conjugate 1145	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	326
Conjugate 1146	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mU-3'	327
Conjugate 1147	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*ml*mU-3'	328
Conjugate 1148	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*ml*mU-3'	329
Conjugate 1149	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*ml*mU-3'	330
Conjugate 1150	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*ml*mU-3'	331
Conjugate 1151	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmA	332

	strand	fAmAmGmGmUmGmG*mI*mU-3'	
Conjugate 1152	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mI*mU-3'	333
Conjugate 1153	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	334
Conjugate 1154	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mI-3'	335
Conjugate 1155	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	336
Conjugate 1156	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mI-3'	337
Conjugate 1157	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mI-3'	338
Conjugate 1158	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mI-3'	339
Conjugate 1159	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1160	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1161	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1162	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1163	Sense strand	5'-LP-GalNAciabmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1164	Sense strand	5'-LP-GalNAciab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1165	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1166	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1167	Sense strand	5'-LP-GalNAciab*mC*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1168	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1169	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1170	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1171	Sense strand	5'-mC*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*GalNAc(L96)-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmGmGmG*mU*mU-3'	343
Conjugate 1172	Sense strand	5'-LP-GalNAcmC*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmG*mA*mA-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmGmGmG*mU*mU-3'	343
Conjugate 1173	Sense strand	5'-mC*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*GalNAc(L96)-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1174	Sense strand	5'-LP-GalNAcmC*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmG*mA*mA-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1175	Sense strand	5'-iab*mC*mCmCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iabGalNAc(L96)-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1176	Sense strand	5'-LP-GalNAciab*mC*mCmCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iab-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1177	Sense strand	5'-mC*mC*mAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1178	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate	Sense	5'-mC*mC*mAmCmCmUmUfUmUfCmUfUmCmUm	23

1179	strand	AmAmUmGmA*GalNAc(L96)-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1180	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1181	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1182	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1183	Sense strand	5'-mC*mA*mCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1184	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUmUfCmUfUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1185	Sense strand	5'-mC*mA*mCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1186	Sense strand	5'-LP-GalNAcmC*mA*mCmCmUmUfUmUfCmUfUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1187	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1188	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmA*AmGfAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1189	Sense strand	5'-iab*mC*mCmCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iabGalNAc(L96)-3'	342
	Antisense strand	5'-eVPmU*fU*mCfAmUfUmAfGmAfAmGfAmAfAmAfGmGfUmG*fG*mG-3'	300
Conjugate 1190	Sense strand	5'-LP-GalNAciab*mC*mCmCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	342
	Antisense strand	5'-eVPmU*fU*mCfAmUfUmAfGmAfAmGfAmAfAmAfGmGfUmG*fG*mG-3'	300
Conjugate 1191	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iabGalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCfAmUfUmAfGmAfAmGfAmAfAmAfGmGfU*mG*fG-3'	340
Conjugate 1192	Sense strand	5'-LP-GalNAciab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	23
	Antisense strand	5'-eVPmU*fU*mCfAmUfUmAfGmAfAmGfAmAfAmAfGmGfU*mG*fG-3'	340

Conjugate 1193	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iabGalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCfAmUfUmAfGmAfAmGfAmAfAmAfGmG*fU*mG-3'	341
Conjugate 1194	Sense strand	5'-LP-GalNAciab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*mA*iab-3'	3
	Antisense strand	5'-eVPmU*fU*mCfAmUfUmAfGmAfAmGfAmAfAmAfGmG*fU*mG-3'	341
Conjugate 1195	Sense strand	5'-mC*mC*mCmAmCmCfUmUfUmUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU-3'	343
Conjugate 1196	Sense strand	5'-LP-GalNAcmC*mC*mCmAmCmCfUmUfUmUfCmUmUmCmUmAmAmUmG*mA*mA-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU-3'	343
Conjugate 1197	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU-3'	105
Conjugate 1198	Sense strand	5'-LP-GalNAcmC*mC*mAmCmCfUmUfUmUfCmUmUmCmUmAmAmUmG*mA*mA-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU-3'	105
Conjugate 1199	Sense strand	5'-mC*mA*mCmCfUmUfUmUfCmUmUmCmUmAmAmUmGmA*GalNAc(L96)-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1200	Sense strand	5'-LP-GalNAcmC*mA*mCmCfUmUfUmUfCmUmUmCmUmAmAmUmG*mA*mA-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1201	Sense strand	5'-mC*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*XY-GalNAc-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmGmGmG*mU*mU-3'	343
Conjugate 1202	Sense strand	5'-mC*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*XY-GalNAc-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1203	Sense strand	5'-iab*mC*mCmCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iabXY-GalNAc-3'	342
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1204	Sense strand	5'-mC*mC*mAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmGmGmG*mU*mU-3'	105
Conjugate 1205	Sense strand	5'-mC*mC*mAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mG*mG-3'	340
Conjugate 1206	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iabXY-GalNAc-3'	23
	Antisense	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAf	340

	strand	AmAfGmGmU*mG*mG-3'	
Conjugate 1207	Sense strand	5'-mC*mA*mCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1208	Sense strand	5'-mC*mA*mCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1209	Sense strand	5'-iab*mC*mAmCmCmUmUfUmUfCmUfUmCmUmAmAmUmGmA*mA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGmAmAmGfAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1210	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1211	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1212	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1213	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1214	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1215	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1216	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1217	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1218	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1219	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1220	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1221	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1222	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1223	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1224	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1225	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1226	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1227	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1228	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1229	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1230	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1231	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1232	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1233	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate	Sense	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm	23

1234	strand	AmAmUmGmAmA*XY-GalNAc-3'	
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1235	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1236	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1237	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1238	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1239	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mG*mG-3'	302
Conjugate 1240	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1241	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1242	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1243	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1244	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1245	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mU*mU-3'	304
Conjugate 1246	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1247	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mI*mU-3'	305

Conjugate 1248	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1249	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1250	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1251	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1252	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1253	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1254	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1255	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1256	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1257	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1258	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1259	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1260	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1261	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA	310

	strand	fAmAfGmGmUmG*mG*mG-3'	
Conjugate 1262	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1263	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1264	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1265	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1266	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1267	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1268	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1269	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1270	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1271	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1272	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1273	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	314
Conjugate 1274	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	314
Conjugate 1275	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1276	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1277	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1278	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1279	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1280	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1281	Sense strand	5'-mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1282	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1283	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1284	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1285	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1286	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1287	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1288	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate	Sense	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAm	23

1289	strand	mAmUmGmAmA*XY-GalNAc-3'	
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1290	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1291	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1292	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1293	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1294	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1295	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1296	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1297	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1298	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1299	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1300	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 1301	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 1302	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207

Conjugate 1303	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1304	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1305	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1306	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1307	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1308	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1309	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1310	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1311	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1312	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1313	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1314	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1315	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1316	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA	304

	strand	fAmAfGmGmUmG*mU*mU-3'	
Conjugate 1317	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1318	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1319	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1320	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1321	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1322	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1323	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1324	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1325	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1326	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1327	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1328	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1329	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1330	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1331	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1332	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1333	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1334	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1335	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1336	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1337	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1338	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1339	Sense strand	5'-tnC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1340	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1341	Sense strand	5'-tnC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1342	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1343	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate	Sense	5'-tnC*mC*mAmCmCfUmUfUfCmUmUmCmUmAm	23

1344	strand	mAmUmGmAmA*XY-GalNAc-3'	
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1345	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1346	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1347	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1348	Sense strand	5'-tnC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1349	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1350	Sense strand	5'-tnC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1351	Sense strand	5'-tnC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1352	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1353	Sense strand	5'-tnC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1354	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1355	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1356	Sense strand	5'-mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1357	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300

Conjugate 1358	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1359	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1360	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1361	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1362	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1363	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1364	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1365	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1366	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1367	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1368	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1369	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1370	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1371	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAf	298

	strand	AmAfGmGmUmG*mI*mU-3'	
Conjugate 1372	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1373	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1374	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1375	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1376	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1377	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1378	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1379	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1380	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1381	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1382	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1383	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1384	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1385	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1386	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1387	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	304
Conjugate 1388	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	304
Conjugate 1389	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	304
Conjugate 1390	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 1391	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 1392	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 1393	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	306
Conjugate 1394	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	306
Conjugate 1395	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	306
Conjugate 1396	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	307
Conjugate 1397	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	307
Conjugate 1398	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	307
Conjugate	Sense	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm	3

1399	strand	AmUmGmAtnA*XY-GalNAc-3'	
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1400	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1401	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1402	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1403	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1404	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1405	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1406	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1407	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1408	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1409	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1410	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1411	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1412	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312

Conjugate 1413	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1414	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1415	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1416	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1417	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1418	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1419	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1420	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1421	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1422	Sense strand	5'-mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1423	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1424	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1425	Sense strand	5'-mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmAtnA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1426	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA	299

	strand	fAmAfGmGmUmGmG*mG*mA-3'	
Conjugate 1427	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1428	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1429	Sense strand	5'-iab*mC*mCmAmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1430	Sense strand	5'-iabmC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1431	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1432	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1433	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1434	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1435	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1436	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1437	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1438	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1439	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1440	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*iabXY-GalNAc-3'	23

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	291
Conjugate 1441	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	298
Conjugate 1442	Sense strand	5'-iab*mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	298
Conjugate 1443	Sense strand	5'-iab*mC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	298
Conjugate 1444	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1445	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1446	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	207
Conjugate 1447	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	295
Conjugate 1448	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	295
Conjugate 1449	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1450	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1451	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1452	Sense strand	5'-iab*mC*mC*mAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1453	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*A*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	302
Conjugate	Sense	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmAm	3

1454	strand	mAmUmGmAmA <i>*iabXY-GalNac-3'</i>	
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1455	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mG*mG-3'	302
Conjugate 1456	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCm UmAmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1457	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1458	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1459	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1460	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1461	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*mU*mU-3'	304
Conjugate 1462	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCm UmAmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 1463	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmGmG*ml*mU-3'	305
Conjugate 1464	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmU mAmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmGmG*ml*mU-3'	305
Conjugate 1465	Sense strand	5'-iab*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*ml*mU-3'	306
Conjugate 1466	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*ml*mU-3'	306
Conjugate 1467	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA <i>*iabXY-GalNac-3'</i>	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfA mAfGmGmUmG*ml*mU-3'	306

Conjugate 1468	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1469	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1470	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1471	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1472	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1473	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmG*mU*mI-3'	308
Conjugate 1474	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1475	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1476	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1477	Sense strand	5'-iab*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1478	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1479	Sense strand	5'-iab*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAfAmAfGmGmUmG*mG*mG-3'	310
Conjugate 1480	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1481	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmUmGmG*mU*mU-3'	311

	strand	fAmAfGmGmUmGmG*mU*mU-3'	
Conjugate 1482	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1483	Sense strand	5'-iab*mC*mCmAmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1484	Sense strand	5'-iab*mC*mCmAmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1485	Sense strand	5'-iab*mC*mCmAmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	312
Conjugate 1486	Sense strand	5'-iab*mC*mCmAmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1487	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1488	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	313
Conjugate 1489	Sense strand	5'-iab*mC*mCmAmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 1490	Sense strand	5'-iab*mC*mCmAmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 1491	Sense strand	5'-iab*mC*mCmAmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	314
Conjugate 1492	Sense strand	5'-iab*mC*mCmAmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 1493	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 1494	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	315
Conjugate 1495	Sense strand	5'-iab*mC*mCmAmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3

	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1496	Sense strand	5'-iab*mC*mAmCmCfUmUfUfCmUmUmCmUmA mAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmA fAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1497	Sense strand	5'-iab*mC*mA*mCmCfUmUfUfCmUmUmCmUm AmAmUmGmAmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAf AmAfGmGmUmG*mU*mI-3'	316
Conjugate 1498	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmGmG*mG*mA-3'	317
Conjugate 1499	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmG*mG*mG-3'	318
Conjugate 1500	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmGmG*mU*mU-3'	230
Conjugate 1501	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmG*mU*mU-3'	319
Conjugate 1502	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmGmG*mG*mA-3'	320
Conjugate 1503	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmG*mG*mG-3'	321
Conjugate 1504	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmGmG*mU*mU-3'	322
Conjugate 1505	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmG*mU*mU-3'	323
Conjugate 1506	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmGmG*mG*mA-3'	324
Conjugate 1507	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm AmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmG*mG*mG-3'	325
Conjugate 1508	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUm AmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAf AmAmGmGmUmGmG*mU*mU-3'	326
Conjugate	Sense	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAm	3

1509	strand	AmUmGmAmA*XY-GalNAc-3'	
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mU-3'	327
Conjugate 1510	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mI*mU-3'	328
Conjugate 1511	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mI*mU-3'	329
Conjugate 1512	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mI*mU-3'	330
Conjugate 1513	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mI*mU-3'	331
Conjugate 1514	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mI*mU-3'	332
Conjugate 1515	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mI*mU-3'	333
Conjugate 1516	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	334
Conjugate 1517	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mI-3'	335
Conjugate 1518	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	336
Conjugate 1519	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mI-3'	337
Conjugate 1520	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmGmG*mU*mI-3'	338
Conjugate 1521	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGdAmAfAmAmGmGmUmG*mU*mI-3'	339
Conjugate 1522	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299

Conjugate 1523	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	299
Conjugate 1524	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1525	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	300
Conjugate 1526	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1527	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1528	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1529	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	104
Conjugate 1530	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1531	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*ml*mU-3'	291
Conjugate 1532	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1533	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*ml*mU-3'	298
Conjugate 1534	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 1535	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*ml-3'	207
Conjugate 1536	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmA	295

	strand	fAmAfGmGmUmG*mU*mI-3'	
Conjugate 1537	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	295
Conjugate 1538	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1539	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	301
Conjugate 1540	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1541	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mG*mG-3'	302
Conjugate 1542	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1543	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	303
Conjugate 1544	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1545	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mU-3'	304
Conjugate 1546	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1547	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	305
Conjugate 1548	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1549	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	306
Conjugate 1550	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23

	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1551	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	307
Conjugate 1552	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	308
Conjugate 1553	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	308
Conjugate 1554	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1555	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mA-3'	309
Conjugate 1556	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	310
Conjugate 1557	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mG*mG-3'	310
Conjugate 1558	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1559	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	311
Conjugate 1560	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	312
Conjugate 1561	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	312
Conjugate 1562	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate 1563	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mI*mU-3'	313
Conjugate	Sense	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAm	3

1564	strand	AmUmGmAmA*XY-GalNAc-3'	
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1565	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mI*mU-3'	314
Conjugate 1566	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1567	Sense strand	5'-mC*mC*mAmCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mI-3'	315
Conjugate 1568	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1569	Sense strand	5'-mC*mA*mCmCfUmUfUmUdCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmG*mU*mI-3'	316
Conjugate 1570	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mA-3'	317
Conjugate 1571	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mG*mG-3'	318
Conjugate 1572	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	230
Conjugate 1573	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mU-3'	319
Conjugate 1574	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mA-3'	320
Conjugate 1575	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mG-3'	321
Conjugate 1576	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	322
Conjugate 1577	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	323

Conjugate 1578	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mG*mA-3'	324
Conjugate 1579	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mG*mG-3'	325
Conjugate 1580	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*mU-3'	326
Conjugate 1581	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mU-3'	327
Conjugate 1582	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*ml*mU-3'	328
Conjugate 1583	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*ml*mU-3'	329
Conjugate 1584	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*ml*mU-3'	330
Conjugate 1585	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*ml*mU-3'	331
Conjugate 1586	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*ml*mU-3'	332
Conjugate 1587	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*ml*mU-3'	333
Conjugate 1588	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*ml-3'	334
Conjugate 1589	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*ml-3'	335
Conjugate 1590	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmGmG*mU*ml-3'	336
Conjugate 1591	Sense strand	5'-mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*XY-GalNAc-3'	3
	Antisense	5'-eVPmB*dT*mCmAdTmUdAmGmAmAmGtnAmAf	337

	strand	AmAmGmGmUmG*mU*mI-3'	
Conjugate 1592	Sense strand	5'-mC*mC*mAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*XY-GalNAc-3'	23
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mI-3'	338
Conjugate 1593	Sense strand	5'-mC*mA*mCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*XY-GalNAc-3'	3
	Antisense strand	5'-eVPmX*dT*mCmAdTmUdAmGmAmAmGtnAmAfAmAmGmGmUmG*mU*mI-3'	339
Conjugate 1594	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1595	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1596	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1597	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmG*mU*mG-3'	341
Conjugate 1598	Sense strand	5'-iabmC*mA*mCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmG*mU*mG-3'	341
Conjugate 1599	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	3
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1600	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1601	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1602	Sense strand	5'-iab*mC*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmU*mG*mG-3'	340
Conjugate 1603	Sense strand	5'-iab*mC*mCmAmCmCmUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmG*mU*mG-3'	341
Conjugate 1604	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGmAfAmAfGmG*mU*mG-3'	341
Conjugate 1605	Sense strand	5'-iab*mC*mCmAmCmCfUmUfUfCmUmUmCmUmAmAmUmGmA*iabXY-GalNAc-3'	23

	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmG*mU*mG-3'	341
Conjugate 1606	Sense strand	mC*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	342
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU	343
Conjugate 1607	Sense strand	mC*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	342
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*dT*dT	344
Conjugate 1608	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*dT*dT	345
Conjugate 1609	Sense strand	mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU	104
Conjugate 1610	Sense strand	mC*mA*mCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*dT*dT	346
Conjugate 1611	Sense strand	mC*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	342
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU	343
Conjugate 1612	Sense strand	mC*mC*mAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mU*mU	105
Conjugate 1613	Sense strand	mC*mA*mCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	3
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmG*mU*mU	104
Reference 1 (Conjugate 1614)	Sense strand	fC*mC*fCmAfCmCfUmUfUfUfCmUfUmCfUmAfAmUfGmAfAGalNAc(L96)	342
	Antisense strand	mU*fU*mCfAmUfUmAfGmAfAmGmAmAfAmAfGmGfUmGfGmG*mA*mG	347
Reference 2 (Conjugate 1615)	Sense strand	mC*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmAGalNAc(L96)-3'	342
	Antisense strand	mU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmGmG*mA*mG	347
Reference 3 (Conjugate 1616)	Sense strand	mC*mC*mCmAmCmCfUmUfUfUfCmUmUmCmUmAmAmUmGmAmAGalNAc(L96)-3'	342
	Antisense strand	mU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmGmG*mA*mG	347
Conjugate 1617	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCfAmUfUmAfGmAfAmGmAmAfAmAfGmGfUmGfGmG*mU*mU	105
Conjugate 1618	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23

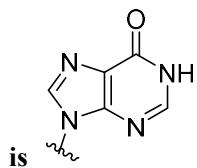
	Antisense strand	eVPmU*fU*mCfAfUfUmAfGmAfAmGfAmAfAmAfGmGfUmGmG*mU*mU	105
Conjugate 1619	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCfAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1620	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAfAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1621	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAfGfAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1622	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1623	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAfUmUmAmGmAfAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1624	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAfUmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1625	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*fCmAmUmUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1626	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*fCmAfUmUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1627	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAfGfAmAmGfAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1628	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUmAmGfAmAmGfAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1629	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(L96)	23
	Antisense strand	eVPmU*fU*mCmAmUmUfAmGfAmAmGfAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1630	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(Ser2)	23
	Antisense strand	VPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1631	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(Ser3)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate	Sense	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAm	23

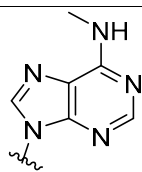
1632	strand	mAmUmGmAmA*GalNAc(Ser4)	
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1633	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(A1GN)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1634	Sense strand	mC*mC*mAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(A2GN)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1635	Sense strand	GalNAc(Ser2)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1636	Sense strand	GalNAc(Ser3)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1637	Sense strand	GalNAc(A3GN)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1638	Sense strand	GalNAc(A4GN)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1639	Sense strand	GalNAc(A5GN)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1640	Sense strand	GalNAc(NAG25)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1641	Sense strand	GalNAc(NAG37)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmG*mA*mA	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1642	Sense strand	GalNAc(Ser1)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(ser1)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1643	Sense strand	GalNAc(Ser2)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(ser1)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1644	Sense strand	GalNAc(Ser1)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(ser2)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105
Conjugate 1645	Sense strand	GalNAc(Ser2)*mC*mCmAmCmCmUmUfUfUfCmUmUmCmUmAmAmUmGmAmA*GalNAc(ser2)	23
	Antisense strand	eVPmU*fU*mCmAmUfUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU	105

Conjugate 1646	Sense strand	5'-mC*mC*mAmCmCmUfUfUfUmCfUfUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1647	Sense strand	5'-mC*mC*mAmCmCmUfUfUfUmCfUfUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAfUmUmAmGmAfAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1648	Sense strand	5'-mC*mC*mAmCmCmUfUfUfUmCfUfUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAfUmUmAmGmAmAmGmAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1649	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUfUmCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1650	Sense strand	5'-mC*mC*mAmCmCmUfUfUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1651	Sense strand	5'-mC*mC*mAmCmCmUmUfUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1652	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1653	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*fCmAmUmUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1654	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*fCmAfUmUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1655	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUmAfGfAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1656	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUmAmGfAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1657	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUmAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUmUfAmGfAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1658	Sense strand	5'-mC*mC*mAmCmCmUfUmUfUmCfUmUfCmUfAmAmUmGmAmA*GalNAc(L96)-3'	23
	Antisense strand	5'-eVPmU*fU*mCmAmUfUmAmGmAmAmGfAmAfAmAfGmGmUmGmG*mU*mU-3'	105
Conjugate 1659	Sense strand	5'-mG*mU*mUmUmCmUmCfCfUfUmGmGmUmCmUmAmAmGmUmA*GalNAc(L96)-3'	94
	Antisense	5'-eVPmU*fA*mCmUmUfAmGmAmCmCmAmAmG	193

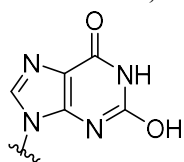
	strand	fGmAfGmAmAmAmC*mU*mU-3'	
Reference 4 (Conjugate 1660)	Sense strand	5'-mC*mC*mUmGmUmGmGfUfCfCmUmCmCmCmAmCmGmCmUmU*GalNAc(L96)-3'	95
	Antisense strand	5'-eVPmA*fA*mGmCmGfUmGmGmGmAmGmGmAfCmCfAmCmAmGmG*mU*mU-3'	194
Conjugate 1661	Sense strand	5'-mA*mC*mAmUmAmCmAfCfCfCmUmUmCmCmAmCmCmUmU*GalNAc(L96)-3'	96
	Antisense strand	5'-eVPmA*fA*mGmGmUfGmGmAmAmGmGmGfUmGfUmAmUmGmU*mU*mU-3'	195
Conjugate 1662	Sense strand	5'-mG*mG*mUmGmUmAmCfAfUfAmCmAmCmCmCmUmUmCmU*GalNAc(L96)-3'	97
	Antisense strand	5'-eVPmA*fG*mAmAmGfGmGmGmUmGmUmAmUfGmUfAmCmAmCmC*mU*mU-3'	196
Reference 5 (Conjugate 1663)	Sense strand	5'-mG*mU*mGmGmAmGmGfGfUfCmUmCmAmCmUmUmUmCmCmA*GalNAc(L96)-3'	98
	Antisense strand	5'-eVPmU*fG*mGmAfAmGmUmGmAmGmAmCfCmCfUmCmCmAmC*mU*mU-3'	197
Reference 6 (Conjugate 1664)	Sense strand	5'-mU*mA*mCmGmUmCmCfAfCfUmUmCmCmAmAmGmGmGmA*GalNAc(L96)-3'	99
	Antisense strand	5'-eVPmU*fU*mCmCmCfUmUmGmGmAmAmGmUfGmGfAmCmGmUmA*mU*mU-3'	198
Conjugate 1665	Sense strand	5'-mC*mA*mGmUmCmUmCfCfCfAmCmCmUmUmUmUmCmUmCmU*GalNAc(L96)-3'	100
	Antisense strand	5'-eVPmA*fA*mAmGmAfAmAmAmGmGmUmGmGfGmAfGmAmCmUmG*mU*mU-3'	199
Reference 7 (Conjugate 1666)	Sense strand	5'-mU*mG*mUmGmGfUmCfCfUfCmCmCmAmCmGmCmUmCmUmU*GalNAc(L96)-3'	101
	Antisense strand	5'-eVPmA*fA*mGmAfCmGmUmGmGmGmAmGfGmAfCmCmAmCmA*mU*mU-3'	200
Reference 8 (Conjugate 1667)	Sense strand	5'-mC*mG*mUmUmUmCmUmCfCfUfUmGmGmUmCmUmAmAmAmUmUGalNAc(L96)-3'	350
	Antisense strand	5'-mA*fA*mUmUmUfAmGmAfCmCmAmAmGfGmAfGmAfAmAmCmG*mU*mC-3'	349
Reference 9 (Conjugate 1668)	Sense strand	5'-mC*mG*mUmUmUmCmUmCfCfUfUmGmGmUmCmUmAmAmAmUmUGalNAc(L96)-3'	350
	Antisense strand	5'-mC*fA*mCmUmUfAmGmAfCmCmAmAmGfGmAfGmAfAmAmCmG*mU*mC-3'	351

wherein, C, G, U, A, and T represent base moieties of nucleotides, including modified and unmodified nucleotides; I represents a base moiety of a base-modified nucleotide, wherein the base

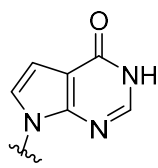




; X represents a base moiety of a base-modified nucleotide, wherein the base is



; B represents a base moiety of a base-modified nucleotide, wherein the base is



;

m indicates that the nucleotide adjacent to the right of the identifier m is a 2'-methoxynucleotide; f indicates that the nucleotide adjacent to the right of the identifier f is a 2'-fluoronucleotide; d indicates that the nucleotide adjacent to the right of the identifier d is a 2'-deoxynucleotide; gn indicates that the nucleotide adjacent to the right of the identifier gn is a glycerol nucleotide (GNA); tn indicates that the nucleotide adjacent to the right of the identifier tn is a threose nucleotide (TNA); the identifier * indicates that the linkage between two the nucleotides (or between the nucleotide and the delivery carrier moiety) adjacent to the identifier * on the left and right is a phosphorothioate linkage; eVP indicates that the nucleotide adjacent to it on the right is a (E)-vinyl phosphate-modified nucleotide; iab indicates an inverted abasic residue; GalNAc(L96) means that the delivery carrier moiety GalNAc(L96) is conjugated at this location. Ser(GN) is conjugated at this location. GalNAc(Ser1)/GalNAc(Ser2)/GalNAc(Ser3)/GalNAc(Ser4)/GalNAc(A1GN)/GalNAc(A2GN)/GalNAc(A3GN)/GalNAc(A4GN)/GalNAc(A5GN)/GAINac(NAG25)/GAINac(NAG37) means that the delivery carrier moiety GalNAc(Ser1)/GalNAc(Ser2)/GalNAc(Ser3)/GalNAc(Ser4)/GalNAc(A1GN)/GalNAc(A2GN)/GalNAc(A3GN)/GalNAc(A4GN)/GalNAc(A5GN)/GAINac(NAG25)/GAINac(NAG37) is conjugated at this location. LP-GalNAc/XY-GalNAc is conjugated at this location.

The present invention also provides a pharmaceutical composition, which comprises any one of the above-described siRNAs and/or any one of the above-described siRNA conjugates and a pharmaceutically acceptable carrier.

In some embodiments of the present invention, the pharmaceutical composition comprises one kind of siRNA as described in the first aspect. In other embodiments of the present disclosure, the pharmaceutical composition comprises at least two (for example, but not limited to, 2, 3, 4, 5, 6, 7, 8, 9, 10 or more) kinds of the siRNAs as described in the first aspect as active ingredients. Preferably, the at least two kinds of the siRNAs as described in the first aspect each target different target sequences in the AGT gene, thereby expecting a synergistic effect by acting simultaneously on different target sequences. Here, "different target sequences" means that there is no overlap between target sequences, or the number of overlapping consecutive nucleotides between target sequences is less than 5 (e.g., the number of overlapping consecutive nucleotides is 4, 3, 2, 1, or 0). In this case, the at least two kinds of the siRNAs as described in the first aspect can be present in any different proportions. Preferably, the at least two kinds of the siRNAs as described in the first aspect can be present in a molar ratio of 1:100 to 100:1; more preferably, the at least two kinds of the siRNAs as described in the first aspect can be present in a molar ratio of 1:10 to 10:1, 1:5 to 5:1, or 1:2 to

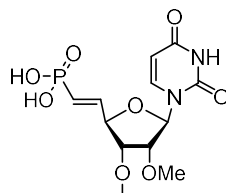
2:1. In some embodiments of the invention, the at least two kinds of the siRNAs as described in the first aspect are present in the same molar ratio.

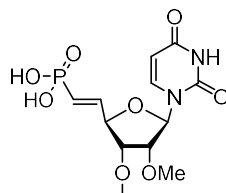
The present invention also provides a use of any one of the above-described siRNAs and/or any one of the above-described siRNA conjugates and/or the above-described pharmaceutical composition in the manufacture of a medicament for treating and/or preventing a pathological condition or disease associated with AGT gene overexpression.

Furthermore, the pathological condition or disease is a disease associated with abnormal blood pressure.

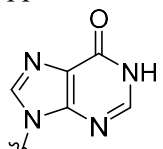
The siRNAs, siRNA conjugates, and pharmaceutical compositions provided by the present invention exhibit good stability, excellent inhibitory activity against AGT gene, satisfactory cytotoxicity and immunostimulatory properties, and can significantly reduce blood pressure levels.

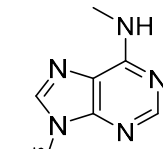
In the present invention, unless otherwise specified, uppercase letters C, G, U, A, and T represent base moieties of nucleotides, including modified and unmodified nucleotides; lowercase letter m indicates that the nucleotide adjacent to the right of the identifier m is a 2'-methoxynucleotide; lowercase letter f indicates that the nucleotide adjacent to the right of the identifier f is a 2'-fluoronucleotide; lowercase letter d indicates that the nucleotide adjacent to the right of the identifier d is a 2'-deoxynucleotide; gn indicates that the nucleotide adjacent to the right of the identifier gn is a glycerol nucleotide (GNA); tn indicates that the nucleotide adjacent to the right of the identifier tn is a threose nucleotide (TNA); the * identifier indicates that the linkage between two the nucleotides (or between the nucleotide and the delivery carrier moiety) adjacent to the identifier * on the left and right is a phosphorothioate linkage; eVP indicates that the nucleotide adjacent to its right is a (*E*)-vinyl phosphate-modified nucleotide, for example,

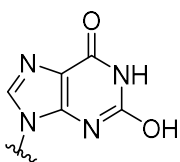


when the base is U, the eVPmU structure is ; iab indicates an inverted abasic residue; GalNAc(L96) means that the delivery carrier moiety GalNAc(L96) is conjugated at this location. Ser(GN) means that the delivery carrier moiety Ser(GN) is conjugated at this location.

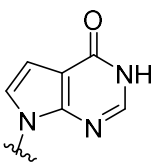
In the present invention, unless otherwise specified, the uppercase latter I indicates a

base moiety of a base-modified nucleotide, wherein the base is ; m6A indicates

a base moiety of a base-modified nucleotide, wherein the base is ; the uppercase latter X indicates a base moiety of a base-modified nucleotide, wherein the base is



; and the uppercase letter B indicates a base moiety of a base-modified



nucleotide, wherein the base is

In the present invention, unless otherwise specified, the term "complementary" refers to the ability of an oligonucleotide of the first sequence to hybridize with an oligonucleotide of the second sequence under certain conditions and form a double-stranded structure. "At least partially complementary" means that the two sequences can be completely complementary, or have no more than 5, 4, 3, or 2 mismatched base pairs in total, while retaining the ability to hybridize under relevant conditions. Furthermore, when two oligonucleotides are designed to form one or more single-stranded overhangs during hybridization, such overhangs should not be considered mismatches for determining complementarity. In the present invention, to satisfy the above hybridization ability requirements, "complementary" sequences may also include or be entirely formed from non-Watson-Crick base pairs and/or from non-natural and modified nucleotides. Such non-Watson-Crick base pairs include, but are not limited to, G:U swing base pairing or Hoogsteen base pairing. Correspondingly, in the present invention, unless otherwise specified, "mismatch" refers to a situation in the siRNA duplex molecule where the bases at corresponding positions are not paired in a complementary manner.

In the present invention, unless otherwise specified, "difference in nucleotide sequence" refers to a change in the type of bases at the same or corresponding positions of the nucleotide sequence compared to the original nucleotide sequence. For example, if a nucleotide base in the original nucleotide sequence is A, and the nucleotide base at the same or corresponding position is changed to U, C, G, or dT, dC, dG, etc., then a difference in nucleotide sequence is considered to exist at that position. It should be noted here that if, compared to the original nucleotide sequence, nucleotides at the same or corresponding positions differ only in the presence or type of modification, then it is not considered that there is a difference in nucleotide sequence at that position.

In the present invention, unless otherwise specified, the term "pharmaceutically acceptable" means that the carrier, delivery system, diluent, excipient, and/or the salt/ester/hydrate formed therefrom are generally chemically or physically compatible with other components constituting a drug dosage form and physiologically compatible with the receptor.

In the present invention, unless otherwise specified, the term "inhibition" refers to the down-regulation of target gene expression due to siRNA-mediated mRNA degradation. The "down-regulation" refers to a decrease in target gene expression level of 5%, 10%, 15%, 20%, 25%, 30%, 35%, 40%, 45%, 50%, 55%, 60%, 65%, 70%, 75%, 80%, 85%, 90%, 95%, or 99% or more, or even 100%, relative to the absence of siRNA treatment. A 100% decrease in target gene expression level means that there is no detectable level of target gene expression.

In the present invention, the siRNA may also comprise modified nucleotides as needed. These modified nucleotides do not significantly weaken or eliminate the siRNA's function of inhibiting AGT gene expression. Currently, various methods exist in the art for modifying siRNA, including, for example, backbone modification (such as phosphate group modification), ribose group modification, and base modification (Watts, J.K., G.F. Deleavey, and M.J. Damha, *Chemically modified siRNA: tools and applications*. Drug Discov Today, 2008. 13(19-20): p. 842-55).

Obviously, based on the above description of the present invention, and according to common technical knowledge and conventional methods in the art, various other modifications, substitutions, or alterations can be made without departing from the basic technical concept of the present invention.

The above contents of the present invention is further described by detailed embodiments in the form of examples. However, this should not be construed as limiting the scope of the above-described subject matter of the present invention to the following examples. All technologies implemented based on the above contents of the present invention fall within the scope of the present invention.

Brief Description of the Drawings

Figure 1 shows a schematic diagram of the synthetic scheme of the conjugate of the present invention.

Figure 2 shows the process flow for the synthesis of the conjugate of the present invention.

Figures 3 and 4 show the MS spectra of the test sample Conjugate 100.

Figure 5 shows the ^1H -NMR of the test sample Conjugate 100.

Figure 6 shows the ^{13}C -NMR of the test sample Conjugate 100.

Figure 7 shows the ^{31}P -NMR of the test sample Conjugate 100.

Figure 8 shows the ^{19}F -NMR of the test sample Conjugate 100.

Figure 9 shows the assay of melting temperature (T_m) of the test sample Conjugate 100.

Specific Models for Carrying Out the present invention

Those skilled in the art will know that the siRNAs described in the present invention can be obtained by conventional siRNA preparation methods in the art (e.g., solid-phase synthesis and liquid-phase synthesis), wherein custom synthesis services for both solid-phase and liquid-phase methods are commercially available. Those skilled in the art will also understand that modified nucleotide groups can be introduced into the siRNAs described in the present invention by using nucleotide monomers with corresponding modifications. Methods for preparing nucleotide monomers with corresponding modifications are well known to those skilled in the art, and commercially available monomers are also available.

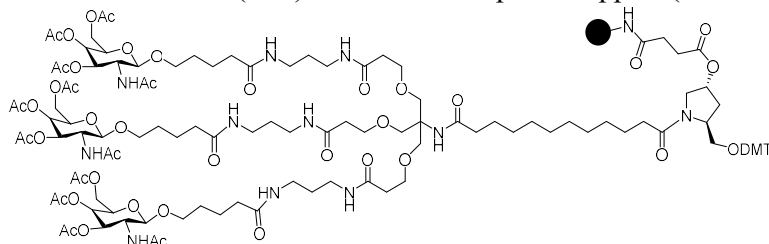
Example 1: Synthesis of siRNA

For the sense and antisense strands of the siRNA sequence of the present invention, as well as the sense and antisense strands of the modified duplex, chain synthesis was initiated using a solid-phase support.

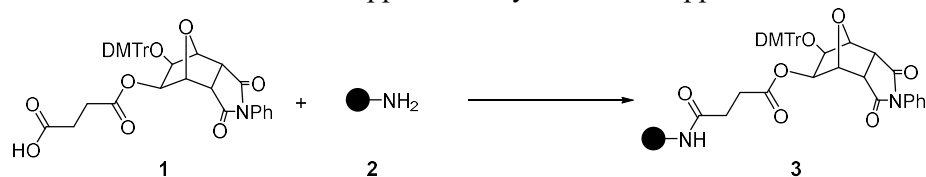
The preparation process of the conjugate of the present application is illustrated using Conjugate 100 as an example.

A solid-phase support modified with GalNAc (L96) was used for the starting cycle for sense strand synthesis, and a universal solid-phase support (Primer support 5G unylinker 350) was used for the starting cycle for antisense strand synthesis (Figure 1).

The structure of the GalNAc (L96) modified solid-phase support (L96-PS) is as follows:



The structure of the Primer support 5G unylinker 350 support is as follows:



● represents PS (polystyrene) solid-phase support.

Using a YB-192S synthesizer, the phosphoramidite-triester solid-phase synthesis method was employed. Starting with the solid-phase support, nucleoside monomers were sequentially linked in the 3'-5' direction for a synthetic scale of 0.2 μmol .

The process flow is shown in Figure 2.

Process description: Oligo synthesis began with a PS solid-phase support and employed a method using 3'-O-(2-cyanoethyl)phosphoramidite/4,4'-dimethoxytrityl (DMT) group protection to assemble an oligonucleotide chain on the PS solid-phase support. Each synthesis cycle involved de-blocking of 5'-hydroxy, coupling, capping, and oxidation (or thiolation). Each coupling reaction was performed by activating an appropriate phosphoramidite monomer and allowing it to react with the free 5'-hydroxy group of a protected nucleotide or oligonucleotide immobilized on the support. According to the sequence information, cyclic synthesis yielded the corresponding crude oligonucleotide single strand, PS-Oligo. The crude oligonucleotide strand was cleaved from the solid-phase support, and the relevant protecting groups were removed. Then, the final product was obtained through purification via preparative chromatography, desalting through ultrafiltration, annealing, and lyophilization.

(1) Synthetic procedure

The following units were included:

1) De-blocking: For ribonucleotides with a DMT (di-p-methoxytrityl) group at the 5'-OH end, the DMT protecting group was removed from the solid support and ribonucleotide in the first step of the synthesis using trichloroacetic acid (TCA) to expose the 5'-OH of the ribonucleotide for coupling with a new base.

2) Coupling: The nucleotide monomer was mixed with an activating reagent and reacted with the PS-Oligo in the synthesis column. The activating reagent provided a proton to the nitrogen atom of the diisopropylamino group on the 3'-phosphate, forming a phosphoramidite tetrazole active intermediate. When the phosphoramidite tetrazole contacted the PS-Oligo, a nucleophilic reaction occurred with its 5'-hydroxyl group, leading to coupling and the release of tetrazole, thereby extending the oligo by one nucleotide.

3) Capping: Since the coupling efficiency could not reach 100%, a capping reagent was used to cap the 5'-hydroxyl group of the PS-Oligo in order to prevent any uncoupled PS-Oligo from proceeding to the next coupling step.

4) Oxidation or thiolation: After the coupling reaction, the nucleotide was linked to the oligonucleotide on the PS support via a phosphite bond (trivalent phosphorus). This phosphite bond was unstable and prone to hydrolysis by acids or bases. The trivalent phosphorus at this site was oxidized to pentavalent phosphorus using an oxidizing reagent. Thiolation referred to the reaction of the trivalent phosphorus in the phosphite bond under weakly alkaline conditions, using a thiolating reagent to form a phosphorothioate bond.

5) Removal of VP protecting group and ammonolysis

The synthesized PS-oligo was transferred from the synthesis column to a centrifuge tube. A deprotection reagent was prepared according to the volume ratio 3:2:100 = TMS-I:pyridine:DCM, and then added into the centrifuge tube to react for 30 min. A solution of TEA/acetonitrile = 1:1 was prepared, and 2-mercaptoethanol (final concentration 2 M) was added and mixed well, followed by addition to the reaction mixture to quench the reaction. The supernatant was removed, and the PS-oligo was washed twice for 5 min each time. After

washing, an ammonolysis solution (2-mercaptoethanol (2 M)/28% Aqueous Ammonia) was added to carry out ammonolysis for 10 hours. After ammonolysis, the Aqueous Ammonia was removed by vacuum centrifugation, and purification was performed.

The sense and antisense strands of other siRNA sequences of the present invention, as well as the sense and antisense strands of modified duplexes, were prepared using similar methods.

(2) Purification

The diluted sample after ammonolysis was purified by anion exchange chromatography using high-performance liquid chromatography (HPLC). The chromatographic conditions were as follows:

Column: PS-15Q10*250mm

Flow rate: 4ml/min

Detection wavelength: 260nm

Ion column preparation purification gradient program:

Mobile phase: Phase A: 10 mM NaOH solution (pH=10); Phase B: 10 mM NaOH solution (pH=10) + 2M NaCl

Time (min)	Mobile phase A (%)	Mobile phase B (%)
0	100	0
5	80	20
15	78	22
50	60	40
80	50	50

The prepared sample was then subjected to mass spectrometry confirmation and purity analysis.

(3) Ultrafiltration

After purification, the sample was dissolved in 4 ml of PBS, transferred to a 1K ultrafiltration tube, centrifuged at 5000 r/min for 45 min, and subjected to detection for the presence of sample in the centrifuge tube using Nanodrop. If the presence of sample was detected at 260 nm, it was confirmed that the ultrafiltration membrane was damaged, the ultrafiltration tube needed to be replaced, and ultrafiltration was repeated. If the presence of sample was not detected at 260 nm, 4 ml of RNase water was added and ultrafiltration was repeated. Ultrafiltration was performed three times, 45 min each time.

(4) Annealing

After ultrafiltration of the sense and antisense strands, the sample was diluted to a concentration of 3 mg/ml. The sense and antisense strands were mixed at a 1:1 molar ratio. The water bath was heated to 90°C, and the mixed sense and antisense strands were placed in the water bath and annealed for 30 min. The water bath was then turned off, and the mixture was allowed to cool naturally to room temperature for 16 hours. A 10 µL sample was taken for HPLC analysis.

Representative detection method: LC-MS (Example: Conjugate 100)

1) Instrument model: Waters Xevo G2-XS Qtof

2) Testing conditions:

Ion Source: ESI negative ion source

Scanning range: 100-2000 Da

Collision energies: 15-25 EV, 25-50 EV

3) The spectra of Conjugate 100 were shown in Figures 3 and 4.

4) Spectral analysis:

When conjugate 100 was detected by denaturing IP·RP-LC, the complementary double strands were broken into single strands (sense and antisense strands). The sense/antisense

precursor ions were then fragmented by tandem mass spectrometry. All detected fragment ions were analyzed and resolved using the CONFIRM Sequence software. In this experiment, the precursor ions were fragmented at energies of 15-25 eV and 25-50 eV, respectively, resulting in 100% coverage, that was, the sample sequence matched the theoretical sequence. The confirmed results are shown in the table below.

Sequence confirmation of the sense strand of Conjugate 100

Collision energy	Parent ion molecular weight (Da)	Charge state	% Coverage
25eV	8286.9353	9- 8- 7-	100.00
50eV	8286.8611	9- 8- 7-	100.00

Sequence confirmation of the antisense chain of Conjugate 100

Collision energy	Parent ion molecular weight (Da)	Charge state	% Coverage
25eV	7488.1405	9- 8- 7-	100.00
50eV	7488.0876	9- 8- 7-	100.00

Nuclear magnetic resonance (NMR) detection of Conjugate 100

1) Instrument model: Bruker AVANCE III 600M NMR

2) Detection method: 95.0 mg of sample was weighed and dissolved in deuterium oxide (D₂O) and transferred to an NMR tube for detection.

3) Spectral analysis:

The ¹H-NMR spectrum (Figure 5) showed the peaks corresponding to the hydrogens of aromatic heterocyclic rings, ribose, methyl groups, amino groups, methylene groups, sugar rings, and alcoholic hydroxyl groups. The series of peaks from 0.95 ppm to 2.5 ppm corresponded to methylene hydrogens not directly bonded to the amide. The peaks from 3.17 ppm to 3.20 ppm were attributed to the methylene hydrogens adjacent to the amide. The peaks from 3.4 ppm to 4.6 ppm were attributed to the methine hydrogens on the sugar ring, the methyl group at the 2'-position, and the ether-linked methylene hydrogens. The peaks from 5.1 ppm to 6.5 ppm were attributed to the methine hydrogen at the 1'-position of the sugar ring, the aromatic hydrogens of the pyrimidine base, and the vinyl hydrogens at the 5'-position. The peaks from 7.1 ppm to 8.2 ppm were attributed to the aromatic hydrogens of the purine base.

The ¹³C-NMR spectrum (Figure 6) showed the peaks corresponding to the carbons of carbonyl groups, aromatic heterocyclic rings, sugar rings, ether-linked methylenes, methylenes, and methyl groups in the molecule. The peaks from 170 ppm to 180 ppm were attributed to the carbonyl carbons, the peaks from 150 ppm to 165 ppm were attributed to the carbons of the aromatic heterocyclic rings (bases) and vinyl groups, the peaks from 95 ppm to 100 ppm were attributed to the methine at the 1'-position of ribose, the peaks from 70 ppm to 95 ppm were attributed to the carbons of methylene and methine of ribose, the peaks from 55 ppm to 70 ppm were attributed to the carbons of methoxy and ether-linked methylene, and the peaks from 20 ppm to 40 ppm were attributed to the methyl carbons at the α-position of acetyl groups.

These results indicated that aromatic heterocyclic rings (bases), vinyl groups, sugar rings, exocyclic methoxy groups, methylene groups, ether-linked methylene groups, and acetyl groups were observed in the ¹H-NMR and ¹³C-NMR, which were consistent with the structure of the target molecule.

The ³¹P-NMR spectrum (Figure 7) showed signals for three types of phosphorus functional groups: thiophosphate diester (P=S) with chemical shift of 54.5 ppm to 57.5 ppm, phosphate diester (P=O) with chemical shift of -0.97 ppm to -1.5 ppm, and 5'-vinylphosphate with chemical shift of 9.16 ppm. The ratio of P=O bonds to P=S bonds was approximately 5:1, which was consistent with the information expected for the target molecule.

The ^{19}F -NMR spectrum (Figure 8) showed the peak position of -199 ppm to -201 ppm, corresponding to the position of F at the 2'-position of the sugar ring.

These above analyses confirmed that the NMR signals were consistent with those of the target molecule.

Detection of melting temperature (T_m) of Conjugate 100:

1) Instrument model: Cary 3500

2) Detection conditions:

Scanning wavelength: 260 nm

Temperature scan range: 25 °C~90 °C

Heating rate: 3 °C/min

3) The spectrum of test sample Conjugate 100 was shown in Figure 9.

4) Spectrum analysis:

Based on the heating curve of Conjugate 100, the software system calculated a T_m of 66.0 °C using the Savitzky-Golay algorithm.

LC-MS detection of the synthesized conjugates:

Conjugate	Sense strand		Antisense strand	
	Theoretical molecular weight	Actual molecular weight	Theoretical molecular weight	Actual molecular weight
Duplex 23	6209.7	6208.6	7091.3	7089.5
Duplex 108	6282.7	6281.3	7033.3	7031.8
Duplex 109	6231.7	6231.4	7159.4	7158.8
Duplex 112	6359.8	6358.0	7001.3	6999.5
Duplex 113	6349.9	6348.6	6996.2	6996.5
Duplex 115	6232.7	6231.4	7143.4	7141.6
Conjugate 1	8824.7	8824.7	7505.2	7505.2
Conjugate 2	8719.6	8718.4	7650.0	7649.1
Conjugate 3	8719.6	8718.4	7604.1	7602.8
Conjugate 4	8719.6	8718.4	7686.1	7684.8
Conjugate 5	8719.6	8718.4	7662.1	7660.0
Conjugate 6	8719.6	8718.4	7646.2	7644.2
Conjugate 7	8800.7	8801.7	7554.0	7552.0
Conjugate 8	8800.7	8801.7	7508.0	7506.8
Conjugate 12	8242.2	8242.3	7569.1	7567.1
Conjugate 13	7971.1	7971.2	7132.8	7130.9
Conjugate 18	8415.4	8414.8	7436.9	7437.2
Conjugate 19	8415.4	8414.8	7436.9	7437.2
Conjugate 20	8415.4	8414.8	7436.9	7437.2
Conjugate 21	8385.3	8384.1	7569.1	7569.0
Conjugate 22	8385.3	8384.1	7569.1	7569.0
Conjugate 23	8385.3	8384.1	7569.1	7569.0
Conjugate 24	8433.4	8433.8	7436.9	7436.7
Conjugate 25	8450.4	8450.4	7436.9	7436.7
Conjugate 26	8450.4	8450.4	7436.9	7436.7
Conjugate 28	8433.4	8433.8	7515.0	7515.0
Conjugate 29	8450.4	8450.4	7515.0	7515.0
Conjugate 30	8450.4	8450.4	7294.9	7294.9
Conjugate 62	8173.2	8173.0	7594.1	7594.0
Conjugate 63	8203.2	8203.2	7564.1	7564.1
Conjugate 64	8203.2	8203.2	7510.1	7510.1

Conjugate 65	8182.2	8182.0	7571.1	7571.0
Conjugate 66	8226.2	8226.0	7541.1	7541.0
Conjugate 67	8226.2	8226.0	7487.1	7487.0
Conjugate 68	8246.2	8245.8	7571.1	7570.8
Conjugate 69	8290.2	8289.9	7461.1	7460.8
Conjugate 70	8290.2	8289.9	7422.1	7422.0
Conjugate 71	7927.0	7927.2	7571.1	7571.0
Conjugate 72	7971.0	7971.1	7541.1	7541.0
Conjugate 73	7971.0	7971.1	7487.1	7486.9
Conjugate 74	8719.6	8720.3	7681.1	7680.4
Conjugate 75	8675.6	8672.9	7725.1	7723.4
Conjugate 76	8384.4	8383.4	7442.0	7442.4
Conjugate 78	8025.1	8024.8	7122.8	7122.4
Conjugate 80	8800.7	8801.8	7585.0	7583.8
Conjugate 82	8449.4	8449.7	7345.9	7346.6
Conjugate 84	8106.2	8106.6	7026.7	7028.2
Conjugate 85	8106.2	8106.3	6950.7	6949.9
Conjugate 86	8729.4	8729.8	7760.0	7760.2
Conjugate 87	8725.7	8721.5	7730.0	7729.1
Conjugate 89	8414.4	8414.8	7436.9	7435.1
Conjugate 91	8071.2	8072.0	7116.7	7116.4
Conjugate 93	8129.2	8128.5	7003.7	7004.9
Conjugate 94	8203.2	8203.5	7593.1	7592.7
Conjugate 95	8203.2	8202.5	7594.1	7593.0
Conjugate 97	8226.2	8225.4	7593.1	7592.8
Conjugate 98	8226.2	8225.4	7571.1	7568.7
Conjugate 99	8273.8	8273.8	7881.8	7881.8
Conjugate 100	8290.3	8288.3	7492.0	7489.1
Conjugate 102	8290.3	8288.8	7504.0	7501.9
Conjugate 103	8290.3	8290.1	7515.0	7514.3
Conjugate 106	8274.3	8273.2	7492.0	7492.4
Conjugate 108	8291.3	8290.4	7492.0	7492.8
Conjugate 109	8719.6	8719.4	7637.0	7637.0
Conjugate 110	8719.6	8719.4	7713.0	7713.0
Conjugate 111	8719.6	8719.4	7591.1	7591.0
Conjugate 112	8719.6	8719.4	7667.1	7667.0
Conjugate 113	8800.7	8801.7	7541.0	7541.2
Conjugate 114	8800.7	8801.7	7617.0	7617.2
Conjugate 156	8769.7	8769.1	7689.1	7689.6
Conjugate 157	8769.7	8768.8	7700.2	7698.5
Conjugate 161	8586.2	8586.4	7571.1	7570.9
Conjugate 162	8651.7	8651.8	7492.3	7490.6
Conjugate 163	8650.9	8651.8	7503.8	7502.7
Conjugate 1606	8609.5	8607.4	7851.2	7849.3
Conjugate 1607	8609.5	8607.4	7819.2	7817.1
Conjugate 1608	8290.3	8288.3	7460.0	7458.1
Conjugate	7971.1	7969.2	7132.8	7129.8

1609				
Conjugate 1610	7971.1	7969.2	7100.8	7099.1
Conjugate 1611	8597.4	8595.3	7851.2	7849.3
Conjugate 1612	8278.2	8277.3	7492.0	7490.1
Conjugate 1613	7959.0	7957.7	7132.8	7129.8
Conjugate 1614	8495.3	8493.3	7860.3	7858.8
Conjugate 1615	8581.4	8571.4	7813.2	7813.0
Conjugate 1616	8581.4	8571.4	7837.3	7837.2
Conjugate 1617	8290.3	8289.8	7431.8	7429.1
Conjugate 1618	8290.3	8289.8	7419.8	7417.1
Conjugate 1619	8290.3	8289.2	7480.0	7478.1
Conjugate 1620	8290.3	8289.2	7480.0	7477.4
Conjugate 1621	8290.3	8289.2	7467.9	7465.1
Conjugate 1622	8290.3	8288.4	7480.0	7477.8
Conjugate 1623	8290.3	8288.4	7480.0	7479.5
Conjugate 1624	8290.3	8288.4	7492.0	7491.5
Conjugate 1625	8290.3	8288.4	7480.0	7478.8
Conjugate 1626	8290.3	8288.4	7467.9	7465.4
Conjugate 1627	8290.3	8288.4	7467.9	7465.2
Conjugate 1628	8290.3	8288.4	7480.0	7477.9
Conjugate 1629	8290.3	8288.4	7467.9	7465.1
Conjugate 1633	8261.0	8261.9	7492.0	7489.1
Conjugate 1634	8247.0	8247.8	7492.0	7489.1
Conjugate 1637	8345.0	8345.9	7492.0	7489.1
Conjugate 1638	8331.0	8332.0	7492.0	7489.1
Conjugate	7820.3	7821.0	7492.0	7489.1

1642				
Conjugate 1646	8266.2	8265.4	7480.0	7477.7
Conjugate 1647	8266.2	8265.4	7480.0	7477.7
Conjugate 1648	8266.2	8265.4	7492.0	7490.1
Conjugate 1649	8278.2	8277.7	7480.0	7477.7
Conjugate 1650	8266.2	8265.7	7480.0	7477.7
Conjugate 1651	8278.2	8277.7	7480.0	7477.7
Conjugate 1652	8278.2	8277.6	7480.0	7477.7
Conjugate 1653	8278.2	8277.6	7480.0	7477.6
Conjugate 1654	8278.2	8277.6	7467.9	7465.9
Conjugate 1655	8278.2	8277.6	7467.9	7465.8
Conjugate 1656	8278.2	8277.6	7480.0	7478.2
Conjugate 1657	8278.2	8277.6	7467.9	7466.0
Conjugate 1658	8266.2	8265.5	7480.0	7477.7
Conjugate 1659	8363.3	8364.7	7434.0	7431.6
Conjugate 1660	8312.3	8311.4	7560.1	7557.6
Conjugate 1663	8440.4	8441.5	7401.9	7400.1
Conjugate 1664	8430.4	8431.7	7396.9	7394.9
Conjugate 1666	8313.3	8312.2	7544.1	7541.8
PC c	8769.7	8769.0	7618.2	7618.4

wherein, PC c was a positive control, known to have an inhibitory activity against AGT gene, and its structure was as follows:

Sense strand:
mG*mU*mCmAmUmCfCmAfCfAfAmUmGmAmGmAmGmUmAmCmA GalNAc(L96)
(The unmodified base sequence corresponded to SEQ ID NO: 251);

Antisense strand:
mU*fG*mUmAmCgnTmCmUmCmAmUmUmGfUmGfGmAmUmGmAmC*mG*mA (The unmodified base sequence corresponded to SEQ ID NO: 348).

Example 2: In vitro activity assay

Cell culture and transfection:

Cell culture: Hep3B cells (ATCC) were cultured at 37°C and 5% CO₂ in MEM complete medium (Gibco, with 10% FBS) until near confluence. The cells were then trypsinized and

seeded in 12-well plates. Each well contained 2.0×10^5 Hep3B cells and 1.0 mL of MEM complete medium (Gibco, with 10% FBS). After culturing at 37°C and 5% CO₂ for 16-24 hours, transfection was performed.

Cell transfection: 48.5 µL of opti-MEM per well was mixed with 1.5 µL of lipofectamine RNAiMax (Invitrogen), then 50 µL of siRNA was added and mixed. The mixture was transferred to a PCR tube and incubated at room temperature for 5 minutes. Finally, this siRNA mixture was added to the cells and cultured for 24 hours before RNA extraction. Single-dose experiments were performed using 10 nM and 0.1 nM or 0.1 nM and 0.01 nM siRNA duplex concentrations. IC₅₀ assays were performed using 10 nM, 1.0 nM, 0.1 nM, 0.01 nM, 0.001 nM, 0.0001 nM, and 0.00001 nM siRNA duplex concentrations. The IC₅₀ values of the compounds were calculated using the log(inhibitor) vs. response -- variable slope (four parameters) fitting method in the GraphPad Prism software.

RNA extraction:

Using the Total RNA Isolation Kit (Omega, CAT: R6834-02): The cells were collected, washed with 1% PBS, and then lysed with 400 µL of lysis buffer (containing 2% β-mercaptoethanol). Subsequent steps were performed according to the kit's instructions. Finally, 30 µL of RNase-free water was added, and the cells were incubated for 2 minutes before centrifugation at 14000g for 2 minutes to collect RNA.

cDNA Synthesis:

cDNA synthesis was performed using the TransGen gDNA Removal and cDNA Synthesis Kit (TransGen Biotechnology Co., Ltd., Beijing, China, Cat# AE311-03). 1 µg of total RNA was added to each sample, and cDNA synthesis was performed using a gradient thermal cycler (LongGene, A600) according to the manufacturer's instructions.

Real-time fluorescence quantitative PCR

The synthesized cDNA and master mix (containing primers, qPCR premix, and ultrapure water) were added to a 384-well plate (Bokang Meihua, Cat# PC-0040-9U). The final real-time fluorescence quantitative PCR reaction mixture contained 0.25 µM each of upstream and downstream primers for the target gene (AGT) or the internal reference gene (GADPH), and 1× SYBR Green premix (Applied Biosystem Cat # A25742).

Real-time fluorescence PCR was performed on the ABI QuantStudio™ 6 Real-Time Fluorescence PCR System using the ΔΔCt method. Three to four independent transfection assays were carried out for each duplex, with each transfection assayed in triplicate to quadruplicate.

Human/cynomolgus monkey primary liver cells:

Free Uptake: Cryopreserved primary hepatocytes from humans or cynomolgus monkeys were thawed and revived, subjected to viable cell counting, and adjusted to an appropriate density (6×10^5 cells/mL). A 10 µL volume of $10 \times$ compound was added to each well of a collagen-coated cell culture plate. Then, 90 µL of the cell suspension was aliquoted into each well of the 96-well collagen-coated plate (5.4×10^4 cells/well). The cell plate was placed and incubated in a cell culture incubator at 37°C and 5% CO₂ for 48 hours. Single-dose experiments were performed at siRNA duplex concentrations of 10 nM and 0.1 nM. IC₅₀ assays were performed at 10 nM, 3.33 nM, 1.11 nM, 0.37 nM, 0.12 nM, 0.041 nM, 0.014 nM, and 0.0046 nM siRNA duplex concentrations. The IC₅₀ value of the compound was calculated using the log(inhibitor) vs. response -- Variable slope (four parameters) fitting method in the GraphPad Prism software.

cDNA synthesis: After 48 hours of free uptake, the culture medium was removed and the cells were lysed for RNA extraction. Total RNA was extracted using the RNeasy® 96 Kit (QIAGEN-74182) according to the kit's instructions. cDNA was then synthesized using the FastKing RT Kit (With gDNase) (Tiangen-KR116-02) according to the instructions.

Real-time fluorescence quantitative PCR: The synthesized cDNA and master mix (containing primers, qPCR premix, and ultrapure water) were added to a 384-well plate, so

that the final real-time fluorescence quantitative PCR system contained 0.25 μ M each of the upstream and downstream primers for the target gene (AGT) or the internal reference gene (GADPH), 0.125 μ M probe, and 1 $\times$ Universal Probe Master premix (Roche, catalog number 04914058001).

Real-time fluorescence PCR was performed on the ABI QuantStudio™ 6 Real-Time Fluorescence PCR System using the $\Delta\Delta$ Ct method. Three to four independent transfection assays were carried out for each duplex, with each transfection assayed in triplicate to quadruplicate.

The in vitro activity assay results of some siRNA conjugates were shown in Tables 1 to 5, in which PC c, known to have an inhibitory activity against AGT gene, was used as a positive control.

Table 1. Single-dose Hep3B cell activity

Conjugate No.	0.1 nM siRNA		0.01 nM siRNA	
	Mean*	SD	Mean*	SD
Duplex 23	0.056	0.008	0.097	0.012
Duplex 109	0.084	0.022	0.21	0.007
Duplex 112	0.099	0.023	0.376	0.023
Duplex 113	0.164	0.044	0.515	0.017
Duplex 115	0.216	0.033	0.689	0.018
Conjugate 1	0.050	0.005	0.224	0.012
Conjugate 2	0.074	0.009	0.368	0.032
Conjugate 3	0.065	0.007	0.267	0.009
Conjugate 4	0.097	0.001	0.473	0.007
Conjugate 5	0.074	0.002	0.343	0.033
Conjugate 6	0.081	0.005	0.343	0.020
Conjugate 7	0.055	0.005	0.202	0.003
Conjugate 8	0.091	0.006	0.307	0.017
Conjugate 20	0.062	0.000	0.291	0.018
Conjugate 27	0.049	0.002	0.200	0.014
Conjugate 29	0.072	0.012	0.388	0.021
Conjugate 30	0.068	0.014	0.262	0.024
Conjugate 35	0.061	0.005	0.283	0.023
Conjugate 36	0.058	0.009	0.258	0.026
Conjugate 41	0.057	0.002	0.314	0.028
Conjugate 42	0.073	0.006	0.305	0.007
Conjugate 45	0.088	0.013	0.346	0.008
Conjugate 72	0.048	0.006	0.181	0.021
Conjugate 74	0.097	0.005	0.371	0.019
Conjugate 75	0.063	0.004	0.242	0.004
Conjugate 77	0.131	0.015	0.502	0.017
Conjugate 79	0.115	0.011	0.480	0.010
Conjugate 80	0.063	0.011	0.247	0.005
Conjugate 81	0.091	0.007	0.419	0.007
Conjugate 83	0.057	0.007	0.240	0.025
Conjugate 85	0.064	0.013	0.287	0.010
Conjugate 86	0.046	0.003	0.252	0.024
Conjugate 87	0.055	0.009	0.270	0.014

Conjugate 88	0.064	0.004	0.396	0.021
Conjugate 90	0.079	0.006	0.511	0.009
Conjugate 96	0.056	0.002	0.162	0.009
Conjugate 100	0.044	0.004	0.222	0.012
Conjugate 102	0.049	0.003	0.190	0.017
Conjugate 105	0.062	0.002	0.117	0.006
Conjugate 106	0.044	0.002	0.137	0.005
Conjugate 109	0.068	0.019	0.256	0.008
Conjugate 110	0.039	0.000	0.174	0.008
Conjugate 111	0.065	0.002	0.286	0.013
Conjugate 112	0.053	0.002	0.219	0.013
Conjugate 113	0.040	0.002	0.203	0.017
Conjugate 114	0.034	0.002	0.153	0.007
Conjugate 62	0.067	0.006	0.342	0.018
Conjugate 64	0.051	0.001	0.164	0.009
Conjugate 65	0.066	0.006	0.230	0.009
Conjugate 66	0.082	0.005	0.280	0.007
Conjugate 67	0.066	0.002	0.303	0.010
Conjugate 68	0.058	0.001	0.249	0.013
Conjugate 69	0.094	0.013	0.375	0.029
Conjugate 70	0.096	0.005	0.448	0.024
Conjugate 71	0.065	0.011	0.274	0.034
Conjugate 73	0.082	0.005	0.291	0.021
Conjugate 120	0.234	0.016	0.767	0.033
Conjugate 122	0.294	0.036	0.729	0.036
Conjugate 123	0.083	0.010	0.221	0.035
Conjugate 124	0.096	0.025	0.344	0.097
Conjugate 125	0.067	0.007	0.348	0.044
Conjugate 127	0.066	0.004	0.267	0.031
Conjugate 128	0.089	0.009	0.545	0.019
Conjugate 129	0.077	0.027	0.249	0.057
Conjugate 130	0.194	0.057	1.070	0.119
Conjugate 131	0.138	0.009	0.686	0.161
Conjugate 132	0.168	0.031	0.723	0.040
Conjugate 133	0.106	0.030	0.321	0.027
Conjugate 134	0.229	0.052	0.506	0.017
Conjugate 135	0.165	0.031	0.486	0.014
Conjugate 136	0.106	0.024	0.384	0.114
Conjugate 137	0.107	0.037	0.375	0.129
Conjugate 138	1.284	0.089	2.277	0.018
Conjugate 139	0.228	0.085	0.640	0.023
Conjugate 140	0.152	0.032	0.490	0.014
Conjugate 141	0.102	0.036	0.388	0.065
Conjugate 142	0.171	0.037	0.526	0.021
Conjugate 143	0.117	0.038	0.380	0.019
Conjugate 144	0.171	0.013	0.572	0.016
Conjugate 145	0.080	0.014	0.333	0.102
Conjugate 146	0.360	0.104	0.708	0.017
Conjugate 147	0.083	0.015	0.340	0.011

Conjugate 148	0.059	0.009	0.189	0.009
Conjugate 149	0.132	0.074	0.333	0.013
Conjugate 150	0.120	0.006	0.413	0.009
Conjugate 151	0.068	0.011	0.319	0.033
Conjugate 153	0.077	0.035	0.176	0.021
Conjugate 154	0.087	0.006	0.320	0.041
Conjugate 155	0.071	0.007	0.268	0.029
Conjugate 156	0.071	0.003	0.219	0.007
Conjugate 157	0.066	0.004	0.253	0.006
Conjugate 158	0.113	0.009	0.488	0.007
Conjugate 159	0.086	0.001	0.378	0.012
Conjugate 160	0.053	0.001	0.129	0.005
Conjugate 161	0.078	0.006	0.221	0.005
Conjugate 163	0.066	0.005	0.204	0.006
Conjugate 1606	0.071	0.004	0.279	0.014
Conjugate 1607	0.093	0.009	0.491	0.022
Conjugate 1608	0.074	0.001	0.398	0.017
Conjugate 1609	0.055	0.007	0.300	0.021
Conjugate 1610	0.052	0.004	0.295	0.022
Conjugate 1611	0.077	0.008	0.427	0.024
Conjugate 1612	0.070	0.002	0.330	0.022
Conjugate 1613	0.066	0.008	0.306	0.026
Conjugate 1617	0.043	0.001	0.106	0.001
Conjugate 1618	0.038	0.001	0.112	0.002
Conjugate 1619	0.042	0.005	0.093	0.011
Conjugate 1620	0.043	0.001	0.105	0.005
Conjugate 1621	0.046	0.009	0.112	0.008
Conjugate 1622	0.049	0.002	0.105	0.005
Conjugate 1623	0.048	0.000	0.120	0.007
Conjugate 1624	0.050	0.004	0.123	0.002
Conjugate 1625	0.048	0.005	0.138	0.014
Conjugate 1626	0.054	0.008	0.152	0.005
Conjugate 1627	0.054	0.004	0.126	0.006
Conjugate 1628	0.059	0.011	0.122	0.006
Conjugate 1629	0.059	0.006	0.128	0.007
Reference 1 (Conjugate 1614)	0.148	0.007	0.616	0.024
Reference 2 (Conjugate 1615)	0.215	0.006	0.816	0.005
Reference 3 (Conjugate 1616)	0.229	0.010	0.768	0.010
Conjugate 1646	0.171	0.026	0.497	0.039
Conjugate 1647	0.156	0.012	0.457	0.037
Conjugate 1648	0.134	0.013	0.486	0.021
Conjugate 1649	0.192	0.018	0.609	0.083
Conjugate 1650	0.109	0.017	0.386	0.025
Conjugate 1651	0.098	0.012	0.353	0.012
Conjugate 1652	0.175	0.026	0.605	0.037
Conjugate 1653	0.188	0.036	0.609	0.047
Conjugate 1654	0.174	0.028	0.593	0.068
Conjugate 1655	0.248	0.014	0.684	0.077
Conjugate 1656	0.173	0.015	0.491	0.056

Conjugate 1657	0.106	0.008	0.350	0.028
Conjugate 1658	0.201	0.028	0.688	0.083
Reference 4 (Conjugate 1660)	0.715	0.03	0.893	0.027
Reference 5 (Conjugate 1663)	0.753	0.021	0.915	0.046
Reference 6 (Conjugate 1664)	0.627	0.05	0.862	0.032
Reference 7 (Conjugate 1666)	0.713	0.041	0.906	0.072
Reference 8 (Conjugate 1667)	0.529	0.076	0.823	0.088
Reference 9 (Conjugate 1668)	0.553	0.048	0.892	0.054
PC c	0.064	0.002	0.262	0.006
*: This value is the relative expression level of AGT mRNA compared to the blank control.				

Table 2. Single-dose human primary liver cell activity

Conjugate No.	10 nM		1.0 nM	
	Mean*	SD	Mean*	SD
Conjugate 1	0.072	0.012	0.275	0.012
Conjugate 74	0.120	0.005	0.468	0.021
Conjugate 75	0.068	0.002	0.308	0.022
Conjugate 80	0.074	0.004	0.334	0.006
Conjugate 81	0.104	0.006	0.409	0.017
Conjugate 83	0.072	0.006	0.320	0.023
Conjugate 85	0.094	0.003	0.352	0.033
Conjugate 86	0.049	0.001	0.199	0.008
Conjugate 87	0.089	0.004	0.282	0.021
Conjugate 96	0.029	0.001	0.107	0.013
Conjugate 100	0.034	0.001	0.126	0.004
Conjugate 102	0.037	0.004	0.136	0.010
Conjugate 105	0.037	0.001	0.160	0.007
Conjugate 106	0.036	0.001	0.174	0.011
PC c	0.078	0.002	0.205	0.028
Conjugate 72	0.034	0.001	0.363	0.048
Conjugate 120	0.131	0.003	0.317	0.020
Conjugate 122	0.111	0.018	0.169	0.001
Conjugate 123	0.084	0.005	0.681	0.052
Conjugate 125	0.230	0.023	0.160	0.004
Conjugate 127	0.101	0.008	0.380	0.036
Conjugate 129	0.052	0.004	0.197	0.011
Conjugate 147	0.137	0.018	0.294	0.023
Conjugate 148	0.076	0.015	0.221	0.008
Conjugate 151	0.060	0.007	0.120	0.005
Conjugate 153	0.071	0.002	0.680	0.047
Conjugate 154	0.061	0.001	0.301	0.014
Conjugate 155	0.066	0.003	0.332	0.023
Conjugate 160	0.037	0.001	0.267	0.004
Conjugate 161	0.037	0.004	0.504	0.052
*: This value is the relative expression level of AGT mRNA compared to the blank control.				

Table 3. IC₅₀ assay results of Hep3B cells in transfection

Conjugate No.	IC ₅₀ (pM)	Duplex No.	IC ₅₀ (pM)
Conjugate 68	3.397	Conjugate 71	4.482
Conjugate 100	3.361 ± 2.238	Conjugate 102	3.921
Conjugate 161	1.324	Conjugate 162	2.576
Conjugate 163	1.317		
PC c	2.645± 0.837		

Table 4. IC₅₀ assay results of PCH cells in free uptake

Conjugate No.	IC ₅₀ (nM)	Duplex No.	IC ₅₀ (nM)
Conjugate 100	0.286	Conjugate 102	0.311
Conjugate 161	0.133	Conjugate 162	0.056
Conjugate 163	0.192	PC c	0.102

Table 5. IC₅₀ assay results of PHH cells in free uptake

Conjugate No.	IC ₅₀ (nM)	Duplex No.	IC ₅₀ (nM)
Conjugate 100	0.094	Conjugate 102	0.072
Conjugate 161	0.142	Conjugate 162	0.196
Conjugate 163	0.073	PC c	0.173

Example 3: Tritosome stability

The siRNA to be tested was mixed in rat tritosome (5 µM) and incubated at 37°C for 24h and 48h, respectively. After incubation, phenol-chloroform (Beyotime, Cat: #p1011) in 1/3 the sample volume was added. The mixture was vortexed and mixed, then allowed to stand for 5 min, and centrifuged at 12,000 rpm for 30 minutes. The uppermost aqueous phase was taken and transferred to a new centrifuge tube. 3M NaAC (Solarbio, Cat: #A1070) in 1/10 the volume was added and mixed, then added with pre-cooled absolute ethanol in 2.5 times the volume and 1 µL of glycogen (Beyotime, Cat: #0812), mixed, allowed to stand at -20°C for 2 minutes, and centrifuged at 12,000 rpm for 30 minutes. The supernatant was discarded, and the pellet was air-dried, and dissolved in RNase-free water. The dissolved sample was mixed with formamide loading buffer and subjected to nucleic acid electrophoresis using a 10% PAGE gel. After electrophoresis, the PAGE gel was stained with GelRed (Beyotime, Cat: #D0140) for 30 minutes. Finally, the PAGE gel was imaged using a gel imaging system (Bio-Rad), and grayscale quantification analysis was performed using the Image Lab software. The grayscale quantification results indicated that Conjugate 100 exhibited better stability in rat tritosome compared to the clinical candidate PC c.

Example 4: Cytotoxicity assay

Cell Culture: Hep3B cells (ATCC) were cultured at 37°C and 5% CO₂ in MEM complete medium (Gibco, supplemented with 10% FBS) until near confluence. The cells were then trypsinized and seeded into a 24-well plate, with 0.5×10⁵ Hep3B cells and 0.5 mL of MEM complete medium (Gibco, supplemented with 10% FBS) added to each well, cultured at 37°C and 5% CO₂ for 16-24 hour, and then subjected to transfection.

Cell transfection: 24.25 µL of opt-MEM per well was mixed with 0.75 µL of lipofectamine RNAiMax (Invitrogen), and then added with 25 µL of siRNA and mixed. This

mixture was added to a PCR tube and incubated at room temperature for 5 minutes. Finally, this siRNA mixture was added to the cells, cultured for 48 or 96 hours, and then subjected to cytotoxicity assay. This experiment was performed at 10 nM and 1 nM siRNA duplex concentrations.

Cytotoxicity assay:

Cytotoxicity assay was performed using a CCK-8 assay kit (Beyotime, CAT: #C0040). After 48/96 hours of cell transfection, the culture medium was removed, and 500 μ L of the corresponding complete culture medium (containing 10% CCK-8) was added to each well, and incubated at 37°C for 30 to 60 minutes in the dark. OD values of the samples were measured using a microplate reader (Tecan CAT: #spark 20M), with a wavelength of 450 nm and a reference wavelength of 620 nm. The assay results showed that the cytotoxicity of Conjugates 100, 102, and 106 was similar to that of the clinical PC c molecule, i.e., none of them had significant toxicity.

Example 5: siRNA Immunogenicity assay

hPBM cells (Shanghai Sali Biotechnology Co., Ltd., XFB-HP050A) from three different donors were centrifuged and resuspended in RPMI-1640 cell culture medium (containing 10% FBS and 1% Penicillin-streptomycin solution). The mixture was then incubated overnight at 37°C and 5% CO₂. The compound to be tested was diluted to form a 20 $\times$ working solution. Lipofectamine® 3000 and Opti-Mem were formulated into a mixed solution at a ratio of 1.5:23.5 and vortexed before use. The prepared 20 $\times$ working solution and the Lipofectamine® 3000 mixed solution were mixed at a ratio of 1:1 in a 96-well V-bottom plate. The overnight culture medium was discarded, and the hPBM cells were resuspended in RPMI-1640 cell culture medium (containing 10% FBS and 1% Penicillin-streptomycin solution). After cell counting, the cells were diluted to the required transfection density and added to the 96-well plate. The final cell count in the cell plate was 2.0×10^5 cells/well, with a total volume of 200 μ L. The cell plate was then incubated for 24 h in a 5% CO₂, 37°C incubator.

After the hPBM cells were subjected to 24 hours of transfection, the cell supernatant was collected, and the levels of IFN alpha, IL-6, and TNF alpha in the hPBM supernatant were detected using the ProcartaPlex Mix & Match 3-plex Kit. The fold change of each factor in the compound to be tested was calculated, wherein, fold change for the test siRNA, naked siRNA, and polyIC = detected factor concentration / factor concentration in the transfection reagent well; fold change for GS9688 = detected factor concentration / factor concentration in the DMSO well. The results showed that Conjugates 100, 102, 161, 162, and 163 did not exhibit significant immune activation in hPBMCs.

Example 6: Evaluation of siRNA seed region off-target potential

The sequences for detecting on-target activity and seed region off-target activity were constructed separately for each siRNA sequence. The on-target detection sequence was a sequence that perfectly matched the siRNA to be tested, while the seed region off-target detection sequence was a sequence that perfectly matched the seed region (positions 2-8 at the 5' end) of the antisense strand of the siRNA to be tested, with complete mismatches at all other positions. Each psiCHECK plasmid was inserted with five copies of either the on-target or the seed region off-target detection sequence.

293T cells were seeded at 20,000 cells/well in a 96-well plate; Lipofectamine 2000, the siRNA to be tested were used to co-transfect with 25 ng of the constructed on-target or off-target psiCHECK plasmids. After culturing at 37°C and 5% CO₂ for 24 h, fluorescence values were measured using a Dual-Glo luciferase assay system (Promega, E2920). A control group was prepared by transfecting the psiCHECK plasmid without siRNA molecule. Each duplex was transfected 3-4 times independently, and each siRNA had transfection

concentrations of 50 nM, 10 nM, 2.0 nM, 0.4 nM, 0.08 nM, 0.016 nM, and 0.0032 nM. The target inhibition effect was determined by measuring Renilla luciferase levels normalized to the constitutively expressed firefly luciferase levels, and the IC₅₀ of the on-target or seed-region off-target activity of the siRNA was calculated. The seed-region off-target risk of the siRNA was assessed by the ratio of the seed-region off-target activity IC₅₀ to the on-target activity IC₅₀. The test results showed that the off-target risks due to the seed region for Conjugate 100, Conjugate 102, and Conjugate 161 were lower than that of the clinical molecule PC c.

Example 7: In vivo activity assay in hAGT mice

Male humanized hAGT mice aged 6-8 weeks (provided by Jiangsu Jicui, T054372) were used. Prior to grouping and dosing, the mice were not fasted. Blood was collected and serum was separated for hAGT detection by ELISA (abcam #). Based on hAGT levels, the mice were randomly divided into 4 groups, 6 mice in each group, designated as day 0. On day 1, PBS, PC c, Conjugate 100, Conjugate 102, and Conjugate 106 were subcutaneously injected at a dose of 1.0 mpk. On days 8, 15, 22, 29, 36, 43, and 50 after dosing, blood was collected and serum was separated for hAGT detection by ELISA. The serum protein concentration at each time point was compared with that of the PBS group at the corresponding time point. The detection results for the different conjugates were shown in Table 6. The candidate compounds showed superior in vitro inhibition of serum hAGT protein in hAGT mice compared to the clinical molecule PC c.

Table 6. Changes in hAGT protein expression before and after administration of different modified siRNA duplexes.

Conjugate	day 0		day 8		day 15		day 22		day 29		day 36	
	Mea n*	SD	Mea n*	SD	Mea n*	SD	Mea n*	SD	Mea n*	SD	Mea n*	SD
PBS	1.00 0	0.0 64	1.00 0	0.1 34	1.00 0	0.0 73	1.00 0	0.0 76	1.00 0	0.1 35	1.00 0	0.1 75
PC c	1.00 0	0.1 05	0.27 9	0.0 44	0.36 3	0.1 91	0.28 2	0.0 26	0.40 5	0.0 32	0.54 5	0.0 49
Conjugate 100	0.99 5	0.1 42	0.11 6	0.0 32	0.23 5	0.0 16	0.24 7	0.0 29	0.28 8	0.0 45	0.33 5	0.0 67
Conjugate 102	0.99 8	0.0 86	0.09 4	0.0 20	0.18 0	0.1 04	0.23 9	0.1 04	0.26 3	0.0 46	0.35 1	0.0 97
Conjugate 106	1.00 1	0.0 54	0.22 4	0.0 12	0.34 4	0.0 44	0.27 7	0.0 16	0.42 3	0.0 13	0.52 7	0.1 39
Reference 4 (Conjugate 1660)	1.000	0.0 00	1.032	0.0 80	1.050	0.1 06	1.024	0.1 22				
Reference 5 (Conjugate 1663)	1.000	0.0 00	1.065	0.2 49	1.034	0.2 55	1.024	0.2 07				
Reference 6 (Conjugate 1664)	1.000	0.0 00	0.857	0.1 85	0.886	0.2 16	0.953	0.2 13				
Reference 7 (Conjugate 1666)	1.000	0.0 00	1.127	0.1 35	1.190	0.0 82	0.984	0.0 91				
Conjugate	day 43		day 50									
	Mea	SD	Mea	SD								

	n*		n*	
PBS	1.00 0	0.1 21	1.00 0	0.0 65
PC c	0.53 2	0.0 56	0.52 3	0.0 59
Conjugate 100	0.37 0	0.0 34	0.39 2	0.0 43
Conjugate 102	0.32 1	0.0 74	0.33 7	0.0 52
Conjugate 106	0.59 2	0.0 42	0.37 4	0.0 80

* These values were relative expression levels of hAGT protein compared to that of the PBS control group.

Table 7. Changes in hAGT protein expression before and after administration of siRNA duplexes modified by conjugation with different delivery carriers

Conjugate	day 0		day 8		day 15		day 22		day 29		day 36	
	Mea n*	SD	Mea n*	SD	Mea n*	SD	Mea n*	SD	Mea n*	SD	Mea n*	SD
PBS	1.000 0	0.000 0	0.904 6	0.091 8	1.018 6	0.146 1	0.970 3	0.130 5	0.886 8	0.104 8	1.000 3	0.161 4
Conjugate 100	1.000 0	0.000 0	0.218 6	0.038 6	0.210 1	0.042 1	0.214 0	0.045 7	0.211 8	0.034 5	0.258 1	0.076 4
Conjugate 1633	1.000 0	0.000 0	0.220 3	0.042 1	0.195 4	0.030 7	0.196 9	0.037 1	0.214 2	0.044 4	0.246 0	0.049 8
Conjugate 1634	1.000 0	0.000 0	0.245 4	0.046 4	0.213 0	0.030 1	0.209 7	0.034 1	0.233 5	0.044 8	0.257 3	0.054 0
Conjugate 1637	1.000 0	0.000 0	0.276 4	0.070 7	0.253 8	0.084 2	0.282 1	0.109 7	0.270 8	0.087 5	0.306 7	0.112 4
Conjugate 1638	1.000 0	0.000 0	0.240 8	0.053 5	0.233 4	0.100 6	0.232 7	0.092 0	0.262 7	0.107 9	0.267 3	0.069 1
Conjugate 1642	1.000 0	0.000 0	0.213 8	0.034 3	0.214 9	0.036 1	0.206 8	0.044 4	0.236 1	0.049 6	0.293 9	0.031 3

* These values were relative expression levels of hAGT protein compared to that of the PBS control group.

Example 8: In vivo activity assay in cynomolgus monkeys

In this experiment, 12 male cynomolgus monkeys aged 3-6 years (weighing 2.5-6.0 kg) were selected based on body weight, body temperature, blood pressure, electrocardiogram, serum AGT level, hematology, and blood biochemistry. They were divided into 4 groups with 3 monkeys per group. Each animal was subcutaneously injected with 3.0 mpk of the test conjugate molecule.

After a 12-hour fast, blood was collected from the cynomolgus monkeys at a fixed time weekly before administration (day 0) and after administration. Whole blood samples were placed in centrifuge tubes without anticoagulant, kept in an ice box to coagulate for 30 minutes, and then centrifuged at approximately 1800× g for 10 minutes at 2-8 °C. The serum was separated and stored below -80 °C.

Serum AGT protein levels were measured using an AGT ELISA detection kit (IBL, 27412). The AGT protein content at each detection time point was compared with that in the same monkey's serum before administration (day 0) to calculate the inhibition of serum AGT content by the test conjugate at different time points. As shown in Table 8, the candidate compound at a 3.0 mpk dose achieved over 90% inhibition of serum AGT protein in

cynomolgus monkeys, showing no significant difference from the results reported for the clinical molecule PC c in the patent (WO_2019222166_A1).

Table 8. Inhibition of serum AGT protein in cynomolgus monkeys after administration of different conjugates

Conjugate	Dose	day 8	day 15	day 22	day 29
Conjugate 100	3.0 mpk	70.33%	89.87%	93.08%	93.96%
Conjugate 161	3.0 mpk	68.04%	88.61%	92.55%	92.46%
Conjugate 162	3.0 mpk	64.72%	87.38%	87.19%	84.30%
Conjugate 163	3.0 mpk	66.35%	87.17%	86.84%	80.79%

What is claimed is:

1. A siRNA for inhibiting AGT gene expression, wherein the siRNA comprises a sense strand and an antisense strand; wherein, the antisense strand comprises at least 17 consecutive nucleotides differing by no more than 4 nucleotides from any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, SEQ ID NO: 343 to SEQ ID NO: 346, the antisense strand is 17-30 nucleotides in length; and the sense strand is 17-30 nucleotides in length and is at least partially complementary to the antisense strand.

2. The siRNA according to claim 1, wherein the antisense strand is 19-27 nucleotides in length; and the sense strand is 19-25 nucleotides in length.

3. The siRNA according to claim 1, wherein the antisense strand differs by no more than 4 nucleotides from any one of the nucleotide sequences as set forth in SEQ ID NO: 102 to SEQ ID NO: 192, SEQ ID NO: 201 to SEQ ID NO: 207, SEQ ID NO: 209 to SEQ ID NO: 220, SEQ ID NO: 222 to SEQ ID NO: 223, SEQ ID NO: 225 to SEQ ID NO: 233, SEQ ID NO: 235 to SEQ ID NO: 250, SEQ ID NO: 252 to SEQ ID NO: 291, SEQ ID NO: 293 to SEQ ID NO: 341, and SEQ ID NO: 343 to SEQ ID NO: 346.

4. The siRNA according to claim 1, wherein the sense strand and the antisense strand have a mismatch of no more than 3 nucleotides.

5. The siRNA according to claims 1-4, wherein the sequence of the siRNA is selected from duplex 1 to duplex 107.

6. The siRNA according to any one of claims 1-5, wherein the siRNA comprises at least one modified nucleotide.

7. The siRNA according to claim 6, wherein all nucleotides in the sense strand and/or the antisense strand of the siRNA are modified nucleotides or nucleotide analogs.

8. The siRNA according to claim 7, wherein the modified nucleotide is selected from the group consisting of 2'-methoxynucleotides, 2'-fluoronucleotides, 2'-deoxynucleotides, 2',3'-seco-nucleotide analogs, 2'-fluoroarabinonucleotides, 2'-methoxyethylnucleotides, 2'-amino-modified nucleotides, 2'-alkyl-modified nucleotides, 3'-methoxynucleotides, 2'-allyl-modified nucleotides, phosphorothioate group-containing nucleotides, methylphosphonate group-containing nucleotides, 5'-phosphate group-containing nucleotides, 5'-phosphate mimic-containing nucleotides, diol-modified nucleotides, abasic nucleotides, morpholinonucleotides, locked nucleotides, unlocked nucleotides, threose nucleotides, and glycerol nucleotides.

9. The siRNA according to any one of claims 1 to 8, wherein the 5' end and 3' end of the sense strand each independently comprise 0, 1, or 2 phosphorothioate linkages; and/or the 5' end and 3' end of the antisense strand each independently comprise 1 or 2 phosphorothioate linkages.

10. The siRNA according to any one of claims 1 to 9, wherein the first nucleotide at the 5' end of the antisense strand is a (*E*)-vinylphosphate-modified nucleotide.

11. The siRNA according to any one of claims 1 to 10, wherein the siRNA comprises at least one base-modified nucleotide.

12. The siRNA according to any one of claims 1 to 11, wherein the antisense strand of the siRNA is 22 nucleotides in length, wherein 3-10 positions (e.g., positions 2, 14, 16; positions 2, 5, 14, 16; positions 2, 6, 14, 16; positions 2, 4, 6, 14, 16; positions 2, 6, 10, 14, 16; positions 2, 6, 12, 14, 16; positions 2, 5, 10, 14, 16; positions 2, 3, 12, 14, 16; positions 2, 9, 12, 14, 16; positions 2, 6, 8, 9, 14, 16; positions 2, 3, 5, 12, 14, 16; positions 2, 8, 9, 12, 14, 16; positions 2, 7, 9, 12, 14, 16; positions 2, 4, 6, 8, 10, 14, 16, 18, 20; positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18 at the 5' end) of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides,

the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, optionally one position (preferably position 1 at the 5' end) is a threose nucleotide, optionally one position (preferably position 6 at the 5' end) is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotide conjugates;

preferably, the antisense strand of the siRNA is 22 nucleotides in length, wherein the following positions: positions 2, 14, 16; or positions 2, 5, 14, 16; or positions 2, 6, 14, 16; or positions 2, 4, 6, 14, 16; or positions 2, 6, 10, 14, 16; or positions 2, 6, 12, 14, 16; or positions 2, 5, 10, 14, 16; or positions 2, 3, 12, 14, 16; or positions 2, 9, 12, 14, 16; or positions 2, 6, 8, 9, 14, 16; or positions 2, 3, 5, 12, 14, 16; or positions 2, 8, 9, 12, 14, 16; or positions 2, 7, 9, 12, 14, 16; or positions 2, 4, 6, 8, 10, 14, 16, 18, 20; or positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides,

the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, optionally, position 1 at the 5' end is a threose nucleotide, or optionally, position 6 at the 5' end is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotides;

preferably, the 2'-deoxynucleotide at position 6 is independently selected from the group consisting of deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU); more preferably, the 2'-deoxynucleotide at position 6 is deoxythymidine monophosphate (dT);

more preferably, the antisense strand of the siRNA is 22 nucleotides in length, wherein the following positions: positions 2, 14, 16; or positions 2, 5, 14, 16; or positions 2, 6, 14, 16; or positions 2, 4, 6, 14, 16; or positions 2, 6, 10, 14, 16; or positions 2, 6, 12, 14, 16; or positions 2, 5, 10, 14, 16; or positions 2, 3, 12, 14, 16; or positions 2, 9, 12, 14, 16; or positions 2, 6, 8, 9, 14, 16; or positions 2, 3, 5, 12, 14, 16; or positions 2, 8, 9, 12, 14, 16; or positions 2, 7, 9, 12, 14, 16; or positions 2, 4, 6, 8, 10, 14, 16, 18, 20; or positions 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; or

the antisense strand of the siRNA is 22 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, and 10 at the 5' end of the sense strand are 2'-fluoronucleotides, position 1 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; or

the antisense strand of the siRNA is 22 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions

are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, position 6 is a 2'-deoxynucleotide, and the remaining positions are 2'-methoxynucleotides; preferably, the 2'-deoxynucleotide at position 6 is independently selected from the group consisting of deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU); more preferably, the 2'-deoxynucleotide at position 6 is deoxythymidine monophosphate (dT);

more preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 105, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 23.

13. The siRNA according to any one of claims 1 to 11, wherein the antisense strand of the siRNA is 22 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 116, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 22.

14. The siRNA according to any one of claims 1 to 11, wherein

the antisense strand of the siRNA is 22 nucleotides in length, wherein position 14 at the 5' end of the antisense strand is a 2'-fluoronucleotide, positions 2, 5, 7 are 2'-deoxynucleotides, position 12 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 20 nucleotides in length, wherein positions 8, 9, 10 at the 5' end of the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

preferably, the 2'-deoxynucleotides at positions 2, 5, 7 are independently selected from the group consisting of deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), and deoxyuridine monophosphate (dU);

further preferably, the 2'-deoxynucleotides at positions 2, 5, 7 are, respectively, deoxythymidine monophosphate (dT), deoxythymidine monophosphate (dT), and deoxyadenosine monophosphate (dA);

more preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 105, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 23.

15. The siRNA according to any one of claims 1 to 11, wherein

the antisense strand of the siRNA is 21 nucleotides in length, wherein positions 2, 6, 14, 16 at the 5' end of the antisense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, 9 at the 5' end of the sense strand are 2'-fluoronucleotides, position 1 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; or

the antisense strand of the siRNA is 21 nucleotides in length, wherein position 14 at the 5' end of the antisense strand is a 2'-fluoronucleotide, positions 2, 5, 7 are 2'-deoxynucleotides, position 12 is a threose nucleotide, and the remaining positions are 2'-methoxynucleotides; the sense strand of the siRNA is 19 nucleotides in length, wherein positions 7, 8, 9 at the 5' end of

the sense strand are 2'-fluoronucleotides, and the remaining positions are 2'-methoxynucleotides;

preferably, the 2'-deoxynucleotides at positions 2, 5, and 7 are independently selected from the group consisting of deoxyadenosine monophosphate (dA), deoxyguanosine monophosphate (dG), deoxycytidine monophosphate (dC), deoxythymidine monophosphate (dT), and deoxyuridine monophosphate (dU);

further preferably, the 2'-deoxynucleotides at positions 2, 5, and 7 are respectively: deoxythymidine monophosphate (dT), deoxyuridine monophosphate (dU), and deoxyadenosine monophosphate (dA);

more preferably, the antisense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 104, and the sense strand of the siRNA is the nucleotide sequence as set forth in SEQ ID NO: 3.

16. The siRNA according to any one of claims 12 to 15, wherein the 5' end and 3' end of the sense strand each independently comprise 0, 1, or 2 phosphorothioate linkages; and/or, the 5' end and 3' end of the antisense strand each independently comprise 1 or 2 phosphorothioate linkages.

17. The siRNA according to any one of claims 12 to 16, wherein the first nucleotide at the 5' end of the antisense strand is a (*E*)-vinylphosphate-modified nucleotide.

18. The siRNA according to any one of claims 12 to 17, wherein the 3' end and/or 5' end of the sense strand each are attached to an inverted abasic residue (iab), preferably the 3' end and 5' end of the sense strand each are attached to an inverted abasic residue (iab).

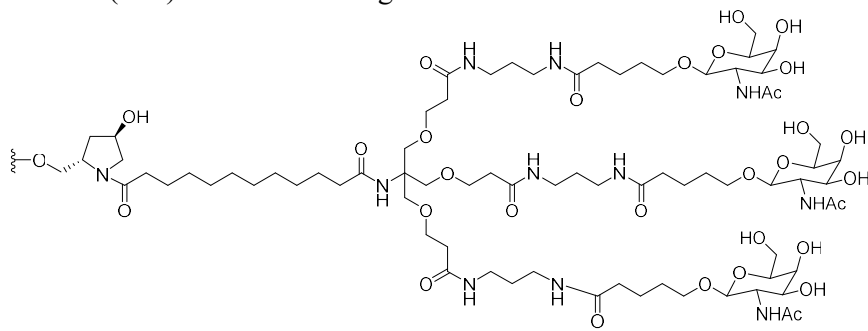
19. An siRNA conjugate, which is obtained by conjugating the siRNA according to any one of claims 1 to 18 with a conjugating molecule.

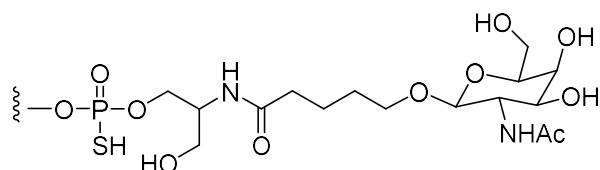
20. The siRNA conjugate according to claim 19, wherein the conjugating molecule is derived from a delivery carrier moiety via a covalent bond, and is independently or simultaneously linked to the 3' or 5' end of the sense strand of the siRNA.

21. The siRNA conjugate according to claim 20, wherein the delivery carrier moiety is selected from the group consisting of: GalNAc(L96), Ser(GN), GalNAc(Ser1), GalNAc(Ser2), GalNAc(Ser3), GalNAc(Ser4), LP-GalNAc, XY-GalNAc, GalNAc(A1GN), GalNAc(A2GN), GalNAc(A3GN), GalNAc(A4GN), GalNAc(A5GN), GalNAc(NAG25), and GalNAc(NAG37),

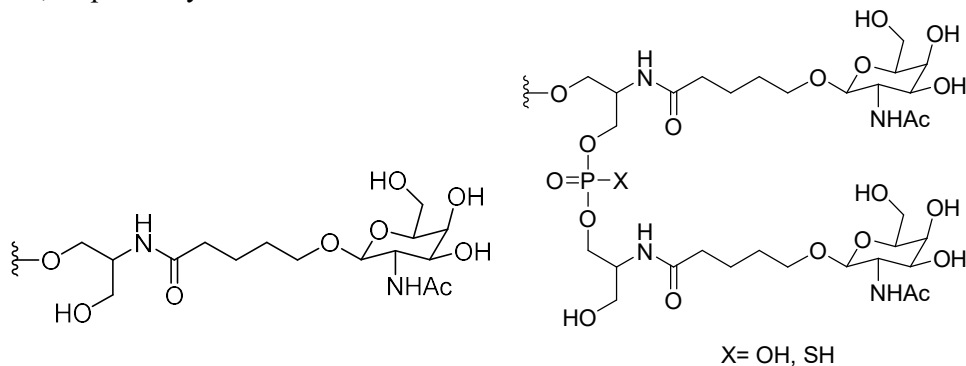
wherein,

GalNAc(L96) has the following structure:



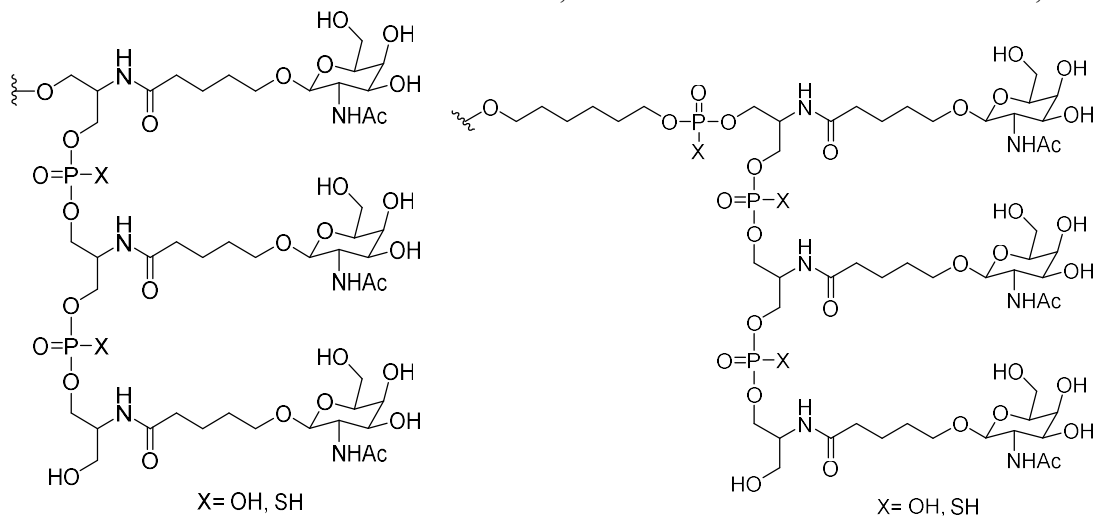


Ser(GN) has the following structure:
 GalNAc(Ser1), GalNAc(Ser2), GalNAc(Ser3), GalNAc(Ser4) have the following structures, respectively:



GalNAc(Ser1)

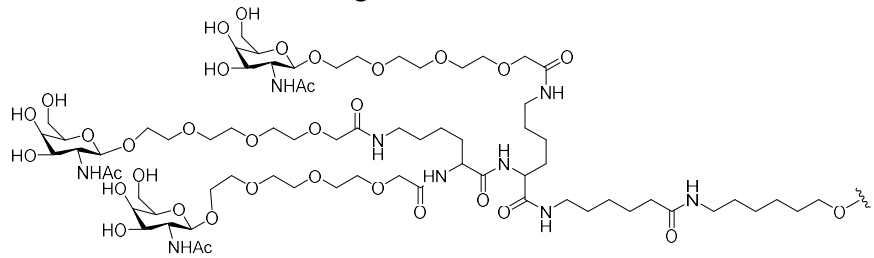
GalNAc(Ser2)



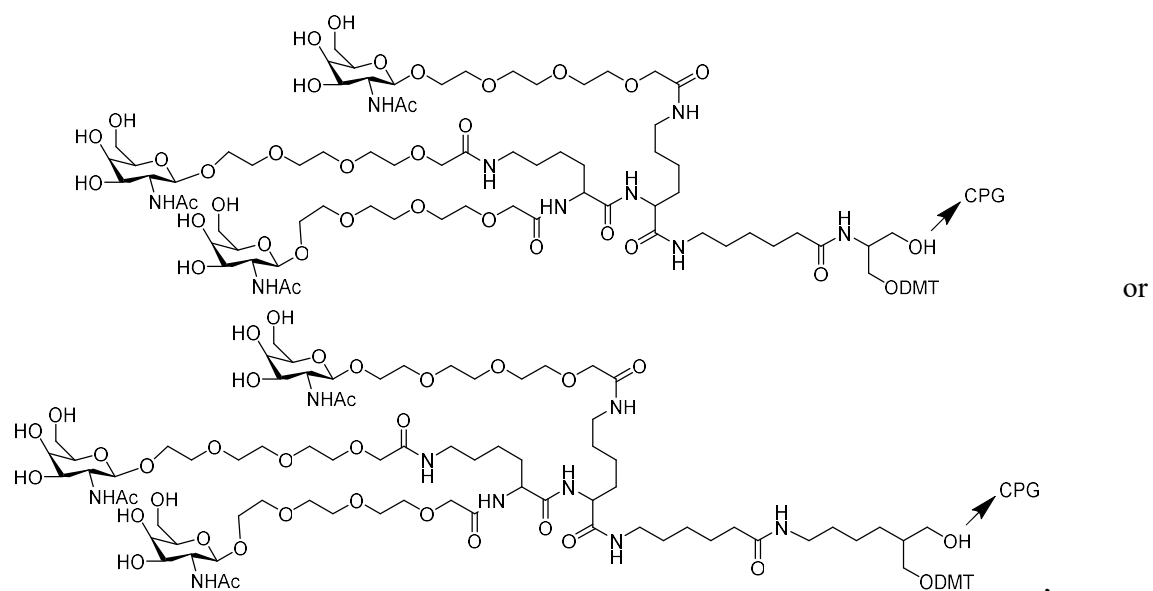
GalNAc(Ser3)

GalNAc(Ser4)

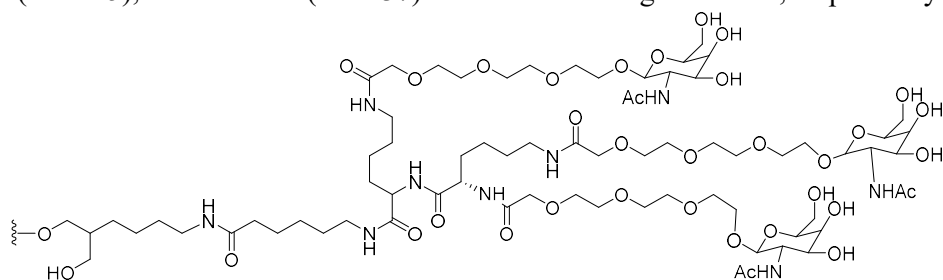
LP-GalNAc has the following structure:



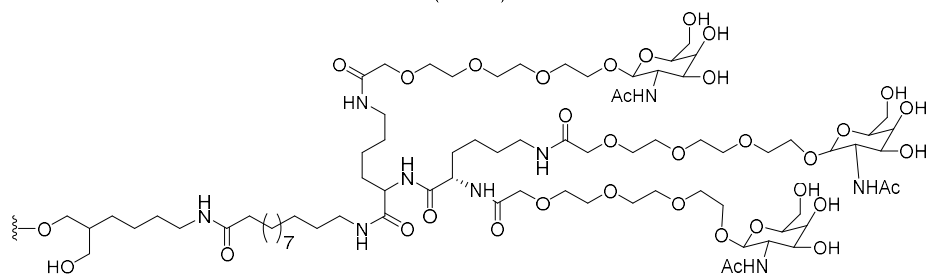
XY-GalNAc has the following structure:



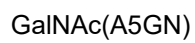
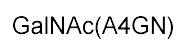
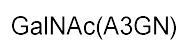
GalNAc(A1GN), GalNAc(A2GN), GalNAc(A3GN), GalNAc(A4GN), GalNAc(A5GN), GAINAc(NAG25), and GAINAc(NAG37) have the following structures, respectively:

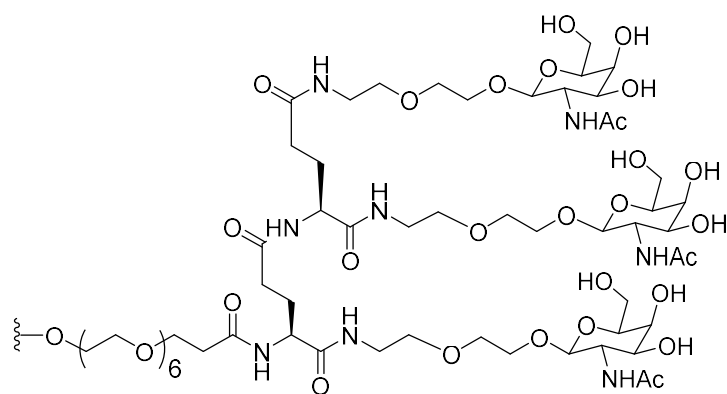


GalNAc(A1GN)

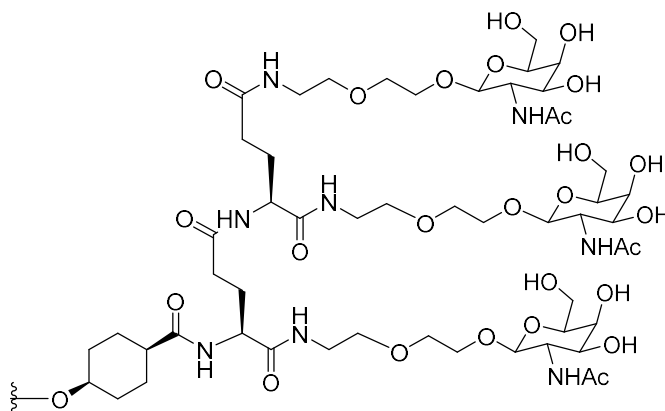


GalNAc(A2GN)





GalNAc(NAG25)



GalNAc(NAG37)

optionally, the above delivery carrier moiety is attached to the 3' end of the siRNA's sense strand, or to the 5' end of the siRNA's sense strand, or to an inverted abasic residue (iab) at the 3' end of the siRNA's sense strand, or to an inverted abasic residue (iab) at the 5' end of the siRNA's sense strand, or one or more of the above delivery carrier moieties are simultaneously attached to the 3' end of the siRNA's sense strand, the 5' end of the siRNA's sense strand, the inverted abasic residue (iab) at the 3' end of the siRNA's sense strand, or the inverted abasic residue (iab) at the 5' end of the siRNA's sense strand; preferably, the delivery carrier moiety GalNAc(L96) is attached to the 3' end of the siRNA's sense strand or to the inverted abasic residue (iab) at the 3' end of the siRNA's sense strand, the delivery carrier moiety Ser (GN) is simultaneously attached to the 3' end and the 5' end of the siRNA's sense strand, the delivery carrier moiety LP-GalNAc is attached to the 5' end of the siRNA's sense strand, the delivery carrier moiety XY-GalNAc is attached to the 3' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(Ser2) is attached to the 3' end of the siRNA's sense strand or to the 5' end of the siRNA's sense strand or simultaneously to the 3' end and the 5' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(Ser3) is attached to the 3' end of the siRNA's sense strand or to the 5' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(Ser4) is attached to the 3' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(A1GN) is attached to the 3' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(A2GN) is attached to the 3' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(A3GN) is attached to the 5' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(A4GN) is attached to the 5' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(A5GN) is attached to the 5' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(NAG25) is attached to the 5' end of the siRNA's sense strand, the delivery carrier moiety GalNAc(NAG37) is attached to

the 5' end of the siRNA's sense strand, and the delivery carrier moieties GalNAc(Ser1) and GalNAc(Ser2) are simultaneously attached to the 3' end and 5' end of the siRNA's sense strand, respectively, or simultaneously attached to the 5' end and 3' end of the siRNA's sense strand, respectively;

preferably, the delivery carrier moiety is selected from the group consisting of: GalNAc(L96) attached to the 3' end of the siRNA's sense strand, GalNAc(A1GN) attached to the 3' end of the siRNA's sense strand, GalNAc(A2GN) attached to the 3' end of the siRNA's sense strand, GalNAc(A3GN) attached to the 5' end of the siRNA's sense strand, GalNAc(A4GN) attached to the 5' end of the siRNA's sense strand, and GalNAc(Ser2) simultaneously attached to both the 3' and 5' ends of the siRNA's antisense strand.

22. The siRNA conjugate according to any one of claims 19 to 21, wherein the siRNA conjugate is selected from Conjugates 1 to 1613 and Conjugates 1617 to 1658.

23. A pharmaceutical composition, wherein the pharmaceutical composition comprises the siRNA according to any one of claims 1 to 18 and/or the siRNA conjugate according to any one of claims 19 to 22, and a pharmaceutically acceptable carrier.

24. Use of the siRNA according to any one of claims 1 to 18 and/or the siRNA conjugate according to any one of claims 19 to 22 and/or the pharmaceutical composition according to claim 23 in the manufacture of a medicament for treating and/or preventing a pathological condition or disease associated with AGT gene overexpression.

25. The use according to claim 24, wherein the pathological condition or disease is a disease associated with abnormal blood pressure.