

[Figure 1A]

Compound name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
S1C(disialo)-SRIF28	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
N5C(disialo)-SRIF28	S	A	N	S	C	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
A9C(disialo)-SRIF28	S	A	N	S	N	P	A	M	C	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
E12C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	C	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
R13C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	C	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
K14C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	C	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
A15C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	C	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
G16C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	C	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
K18C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	C	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
N19C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	C	F	F	F	W	K	T	F	T	S	C
	Disialo																												
F21C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	C	W	K	T	F	T	S	C	
	Disialo																												
T28C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	C	S	C
	Disialo																												
29C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
30C(disialo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
S1C(disialo)-D-Trp22-SRIF28	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
A9C(disialo)-D-Trp22-SRIF28	S	A	N	S	N	P	A	M	C	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												
C(disialo)-SRIF14	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	F	W	K	T	F	T	S	C
	Disialo																												

[Figure 1B]

Compound name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
C(dialo)-R-K-SRIF14	C R K A G C K N F F W K T F T S C Distalo S-S																											
C(dialo)-C12linker-SRIF14	C C12 A G C K N F F W K T F T S C Distalo Linker S-S																											
S1-2C(dialo)-SRIF28	C C A N S N P A M A P R E R K A G C K N F F W K T F T S C Distalo Distalo S-S																											
S1C(dialo)-N5C(dialo)-SRIF28	C A N S C P A M A P R E R K A G C K N F F W K T F T S C Distalo Distalo S-S																											
S1C(dialo) • R13C(dialo)-SRIF28	C A N S N P A M A P R E C K A G C K N F F W K T F T S C Distalo Distalo S-S																											
N5C(dialo) • A9C(dialo)-SRIF28	S A N S C P A M C P R E R K A G C K N F F W K T F T S C Distalo Distalo S-S																											
S1-3C(dialo)-SRIF28	C C C A N S N P A M A P R E R K A G C K N F F W K T F T S C Distalo Distalo Distalo S-S																											
S1C(dialo) • N5C(dialo) • A9C(dialo)-SRIF28	C A N S C P A M C P R E R K A G C K N F F W K T F T S C Distalo Distalo Distalo S-S																											
S1C(monosialo)-SRIF28	C A N S N P A M A P R E R K A G C K N F F W K T F T S C Monosialo S-S																											
S1C(asialo)-SRIF28	C A N S N P A M A P R E R K A G C K N F F W K T F T S C Asialo S-S																											
S1-2C(asialo)-SRIF28	C C A N S N P A M A P R E R K A G C K N F F W K T F T S C Asialo Asialo S-S																											
S1-3C(asialo)-SRIF28	C C C A N S N P A M A P R E R K A G C K N F F W K T F T S C asialo asialo asialo S-S																											
N5N(dialo)-SRIF28	S A N S N P A M A P R E R K A G C K N F F W K T F T S C Distalo Distalo S-S																											
S1N(dialo)-SRIF28	N A N S N P A M A P R E R K A G C K N F F W K T F T S C Distalo Distalo S-S																											
S1C(dialo)-N19C(GlcNAc)-SRIF28	C A N S N P A M A P R E R K A G C K C F F W K T F T S C Distalo Distalo S-S GlcNAc																											
S1C(dialo)-N19C(difMan)-SRIF28	C A N S N P A M A P R E R K A G C K C F F W K T F T S C Distalo Distalo S-S difMan																											

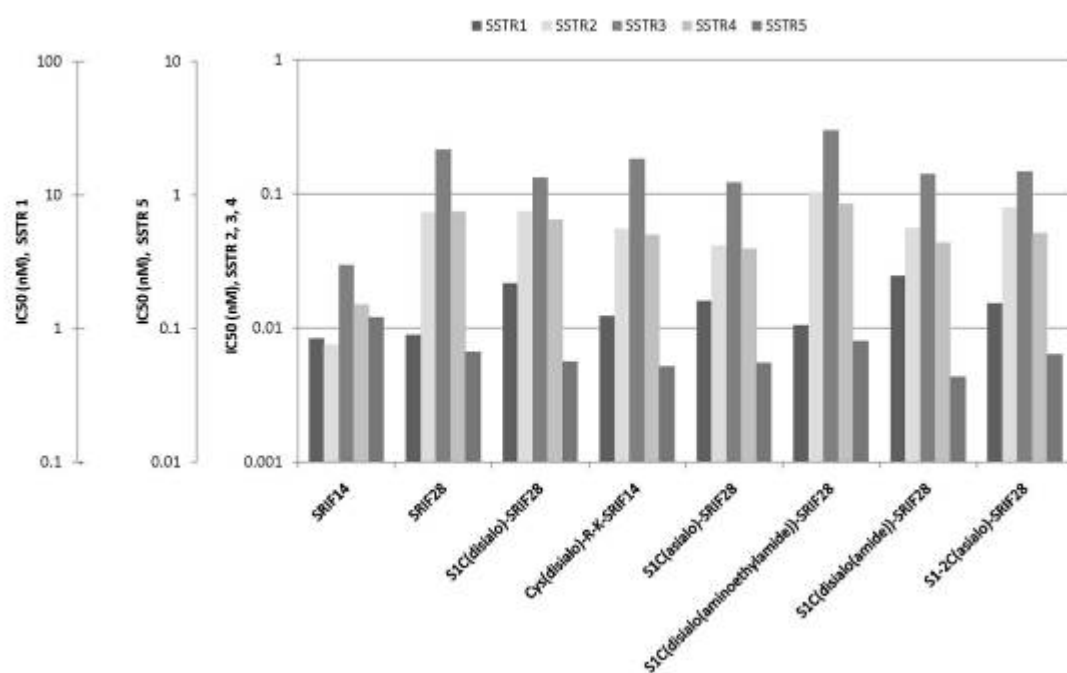
[Figure 1C]

Compound name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
C(distalo)-SRIF28	C	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C	
	Disialo S-S																													
R11C(distalo)-SRIF28	S	A	N	S	N	P	A	M	A	P	C	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C		
	Disialo S-S																													
F20C(distalo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	C	F	W	K	T	F	T	S	C		
	Disialo S-S																													
T24C(distalo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	C	F	T	S	C		
	Disialo S-S																													
F25C(distalo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	C	T	S	C		
	Disialo S-S																													
S27C(distalo)-SRIF28	S	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C		
	Disialo S-S																													
C(distalo)-K-SRIF14	C K A G C K N F F W K T F T S C																													
	Disialo S-S																													
S1C(distalo)-F25Y-SRIF28	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	Y	T	S	C		
	Disialo S-S																													
S1C(distalo)-SRIF28- amide	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C		
	Disialo S-S																													
C(distalo)-PEGlinker- SRIF14	C PEG A G C K N F F W K T F T S C																													
	Disialo Linker S-S																													
Biotin-S1C(distalo)- SRIF28	Biotin	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C	
	Disialo S-S																													
Biotin-PEGlinker- S1C(distalo)-SRIF28	Biotin	PEG	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C
	Disialo S-S																													
Azido-S1C(distalo)- SRIF28	Azido	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C	
	Disialo S-S																													
S1C(distalo)* E12C(distalo)-SRIF28	C	A	N	S	N	P	A	M	A	P	R	C	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C		
	Disialo S-S																													
2C(distalo)-R-K-SRIF14	C C R K A G C K N F F W K T F T S C																													
	Disialo Disialo S-S																													
3C(distalo)-R-K-SRIF14	C C C R K A G C K N F F W K T F T S C																													
	Disialo Disialo Disialo S-S																													
S1C(d(GlcNAc)-SRIF28	C	A	N	S	N	P	A	M	A	P	R	E	R	K	A	G	C	K	N	F	F	W	K	T	F	T	S	C		
	Disialo S-S																													

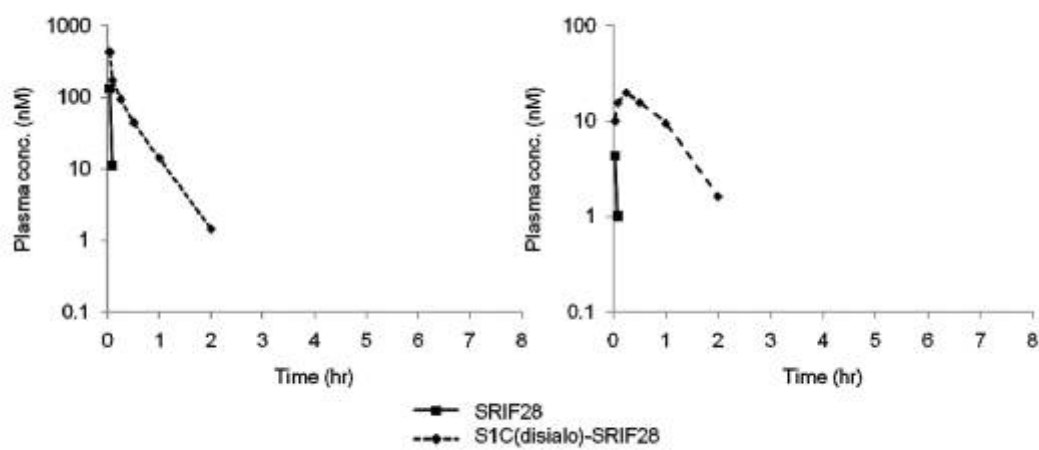
[Figure 1D]

Compound name		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
S1C(diMan)-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		diMan														S-S													
N19C(diMan)-SRIF28		S A N S N P A M A P R E R K A G C K C F F W K T F T S C																											
																S-S													
S1C(GlcNAc)-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		GlcNAc														S-S													
N19C(GlcNAc)-SRIF28		S A N S N P A M A P R E R K A G C K C F F W K T F T S C																											
																S-S													
S1C(trisialo)-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		Trisialo														S-S													
S1C(tetrasialo)-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		Tetrasialo														S-S													
S1C(disialo(aminoethylamide))-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(aminoethylamide)														S-S													
S1C(disialo(amide))-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(amide)														S-S													
S1C(disialo(Bn))-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(Bn)														S-S													
S1C(disialo(hexadecylamide))-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(hexadecylamide)														S-S													
S1-2C(disialo(amide))-SRIF28		C C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(amide)														S-S													
S1-2C(disialo(Bn))-SRIF28		C C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(Bn)														S-S													
S1C(Asn(disialo))-SRIF28		C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		Asn(disialo)														S-S													
S1N(disialo)-N19C(diMan)-SRIF28		N A N S N P A M A P R E R K A G C K C F F W K T F T S C																											
		Disialo														S-S													
C(disialo(aminoethylamide))-S1C(disialo)-SRIF28		C C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		disialo(aminoethylamide)														S-S													
S1-4C(disialo)-SRIF28		C C C A N S N P A M A P R E R K A G C K N F F W K T F T S C																											
		Disialo														S-S													

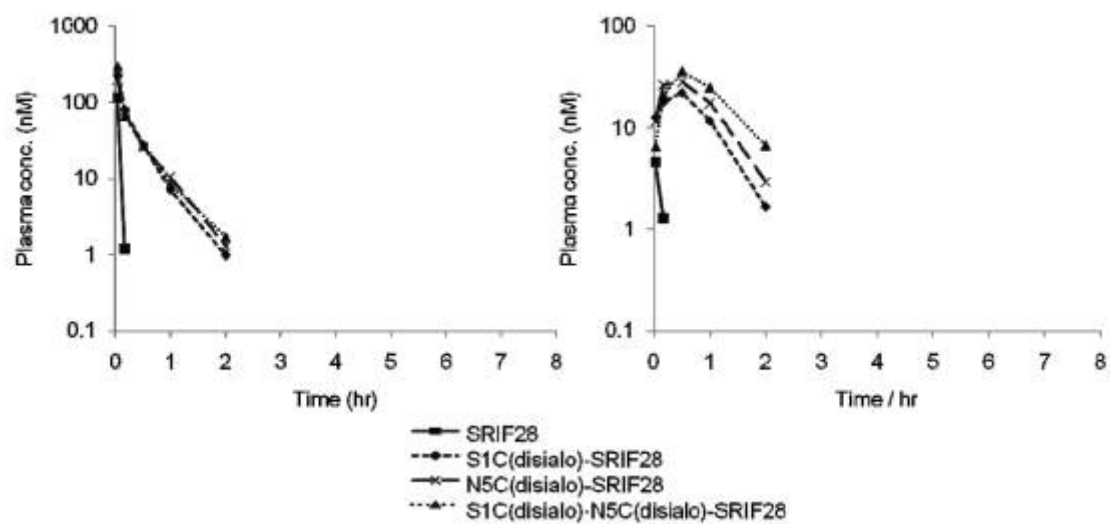
[Figure 1E]



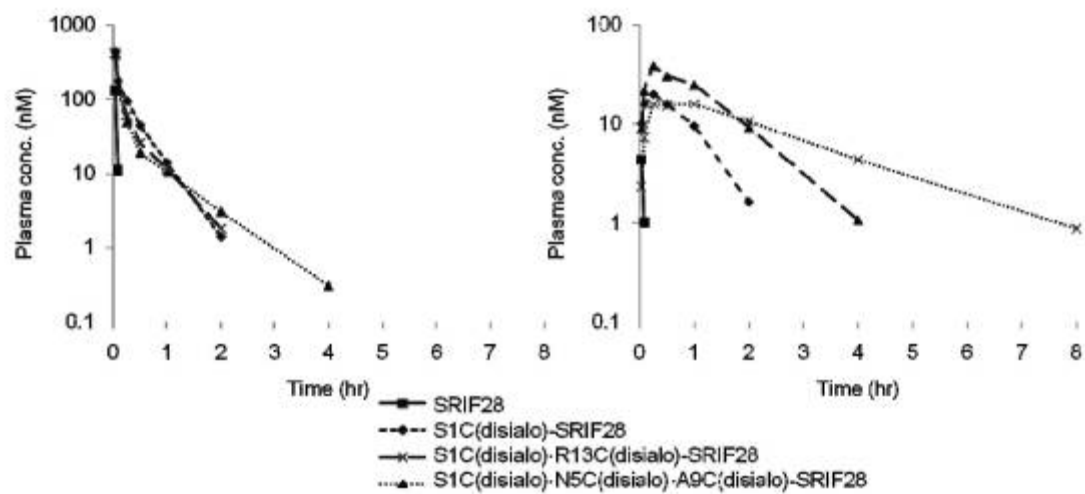
[Figure 2]



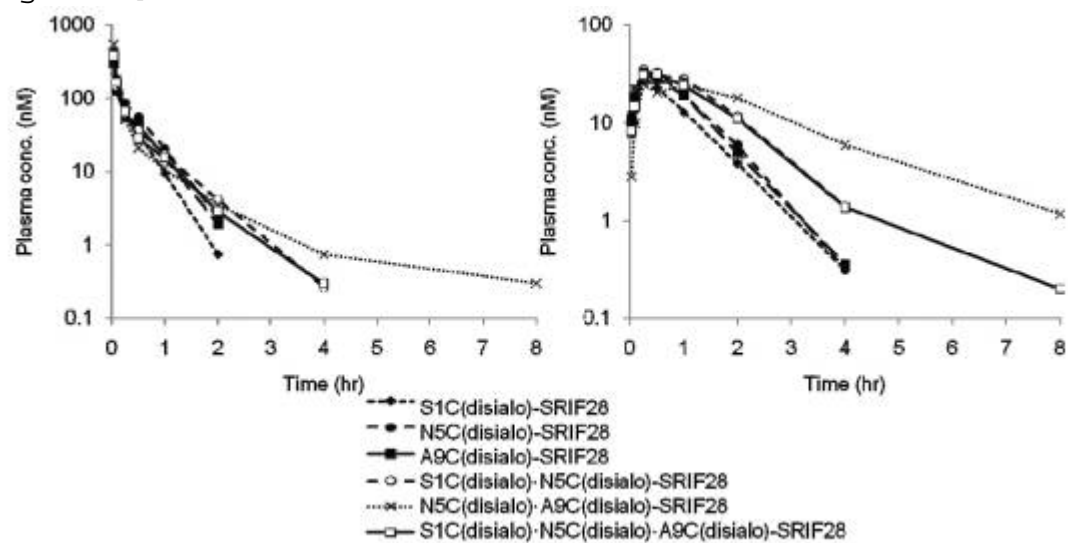
[Figure 3]



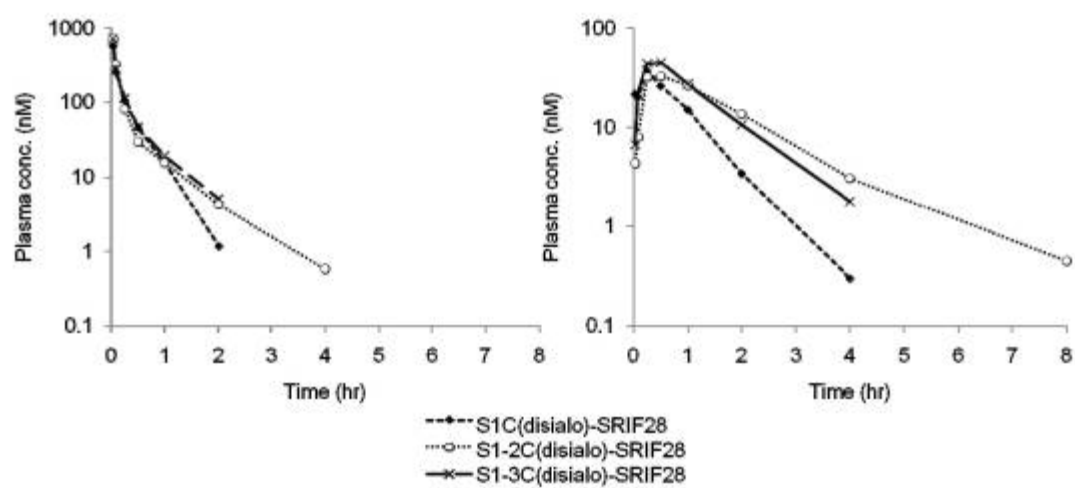
[Figure 4]



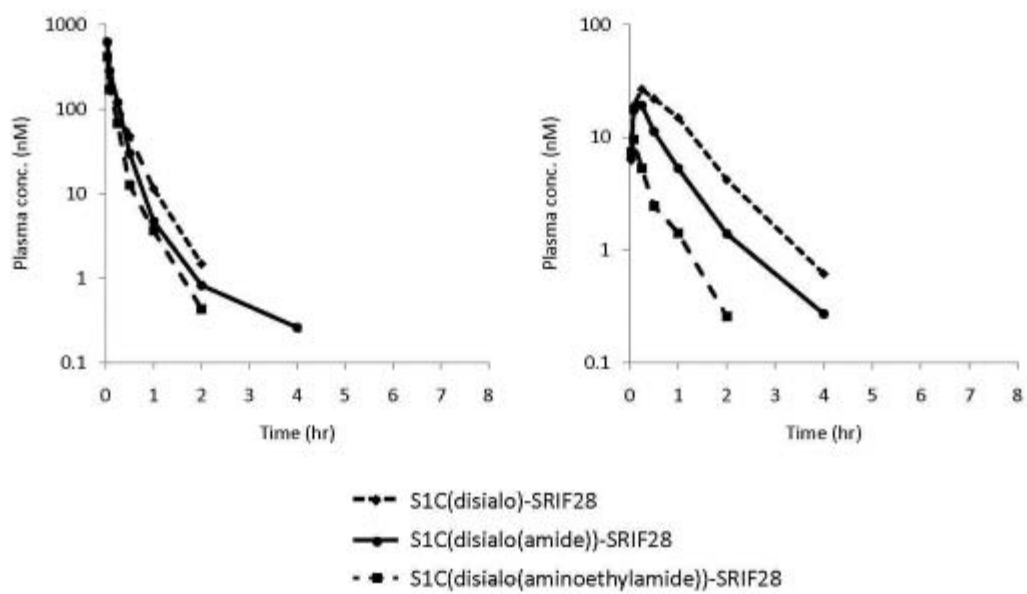
[Figure 5]



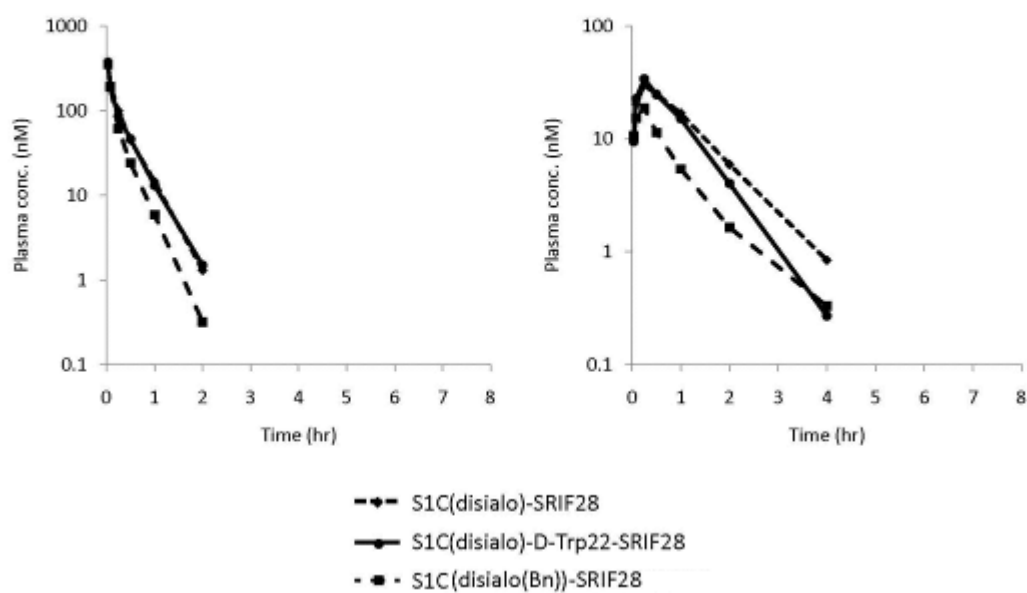
[Figure 6]



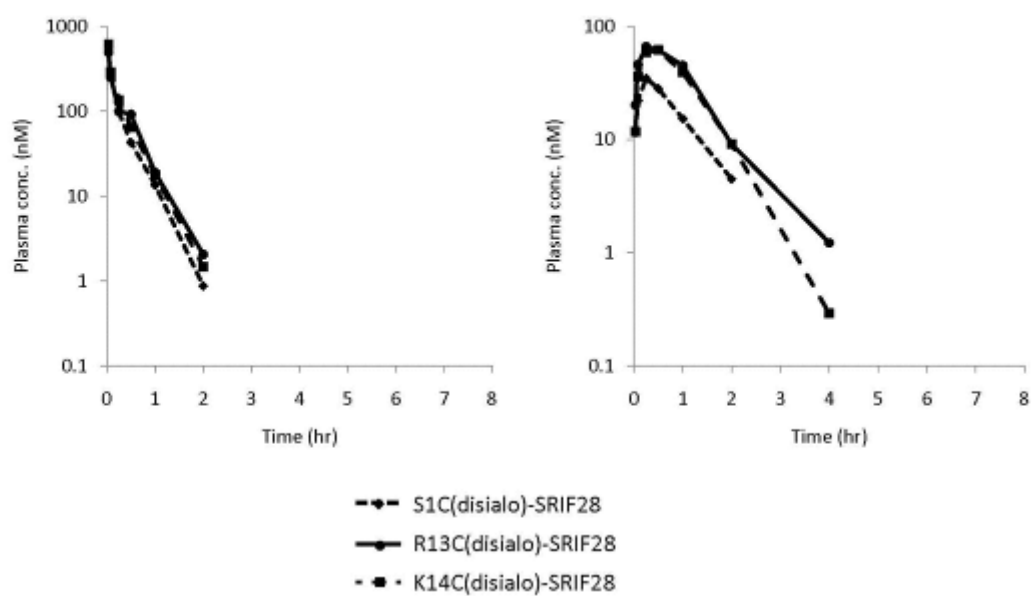
[Figure 7]



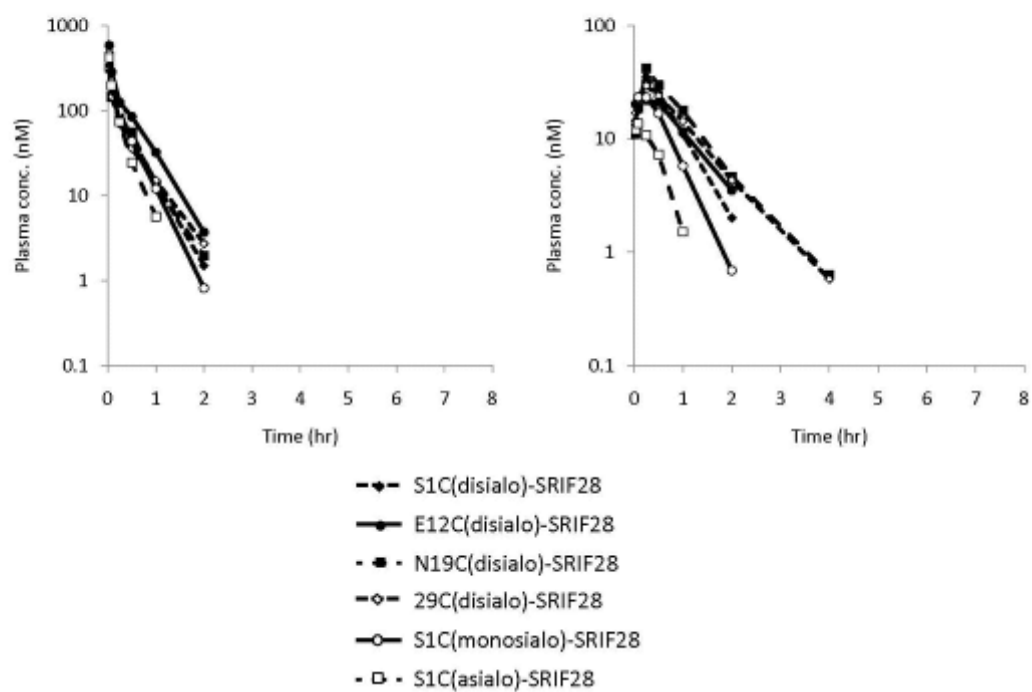
[Figure 8]



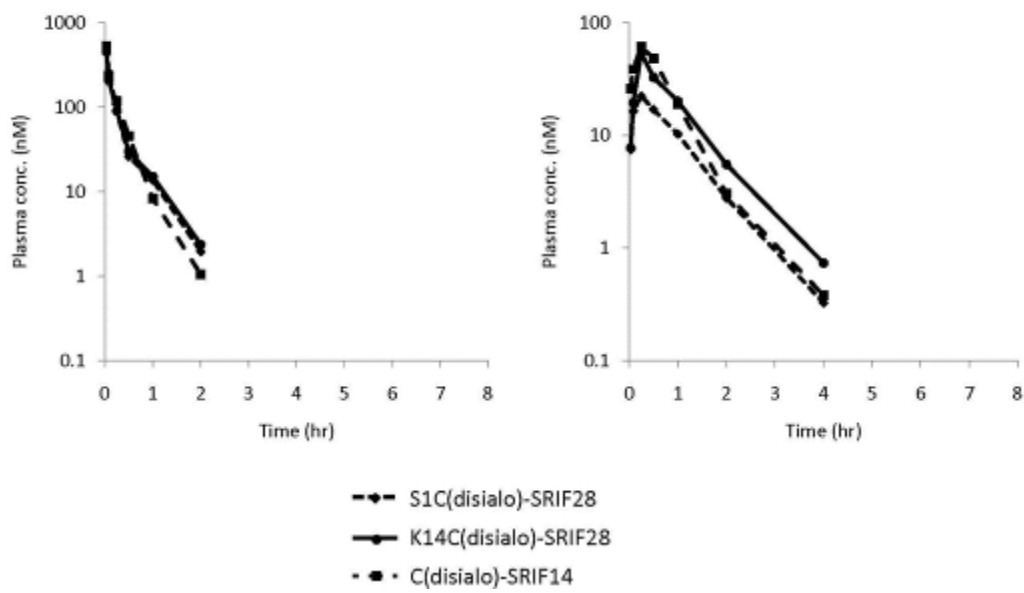
[Figure 9]



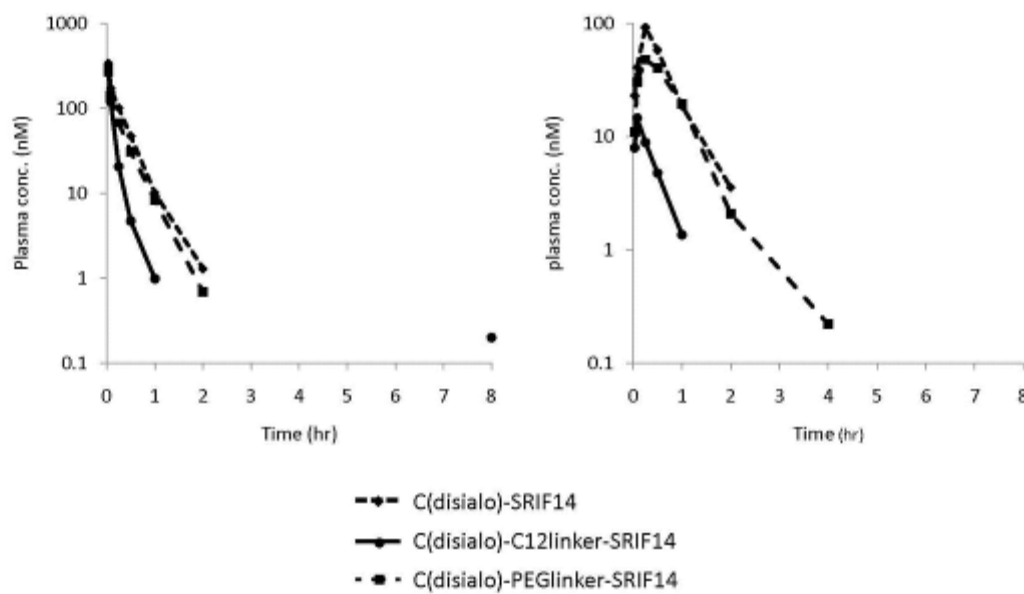
[Figure 10]



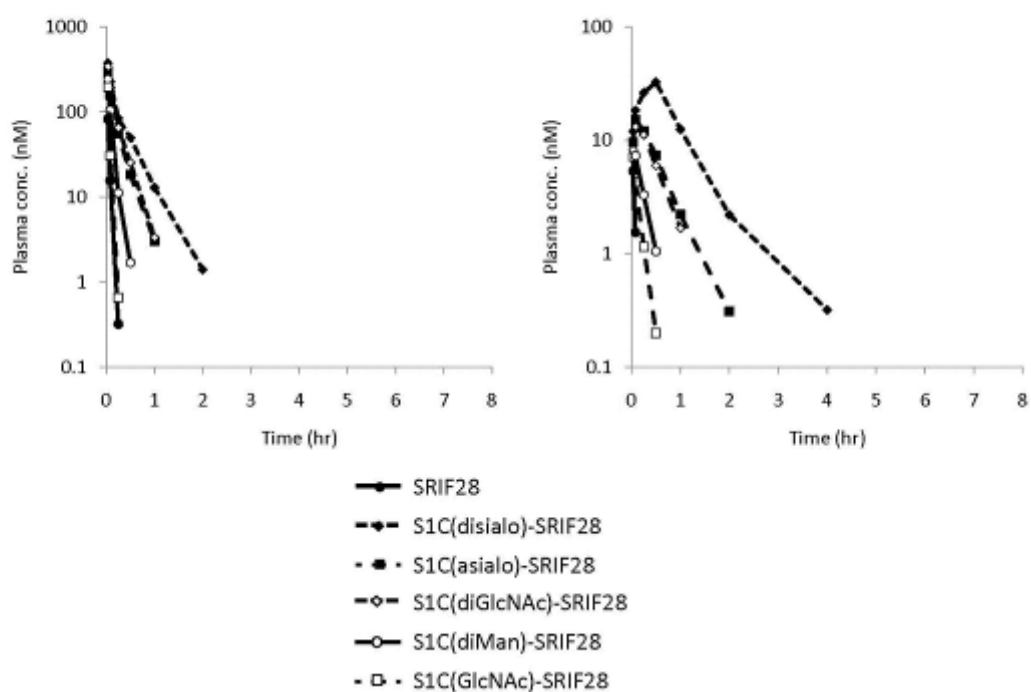
[Figure 11]



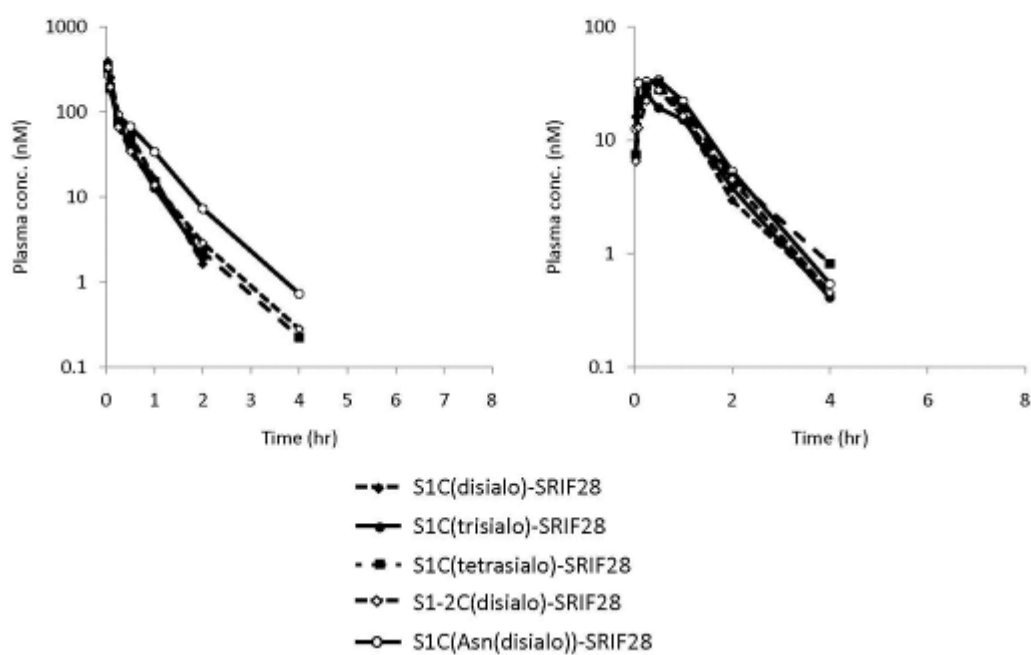
[Figure 12]



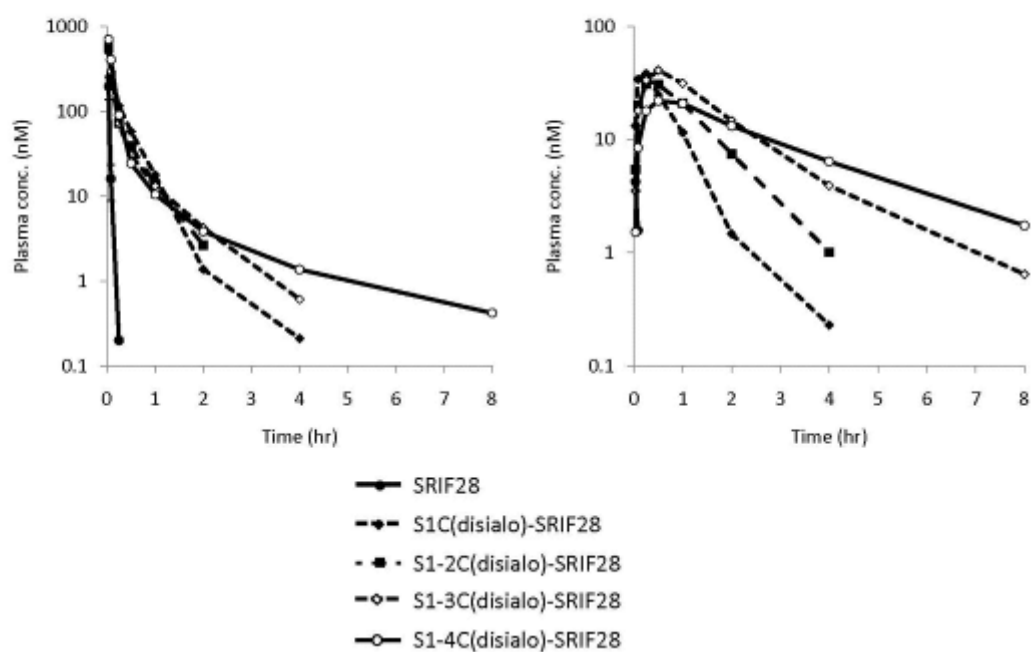
[Figure 13]



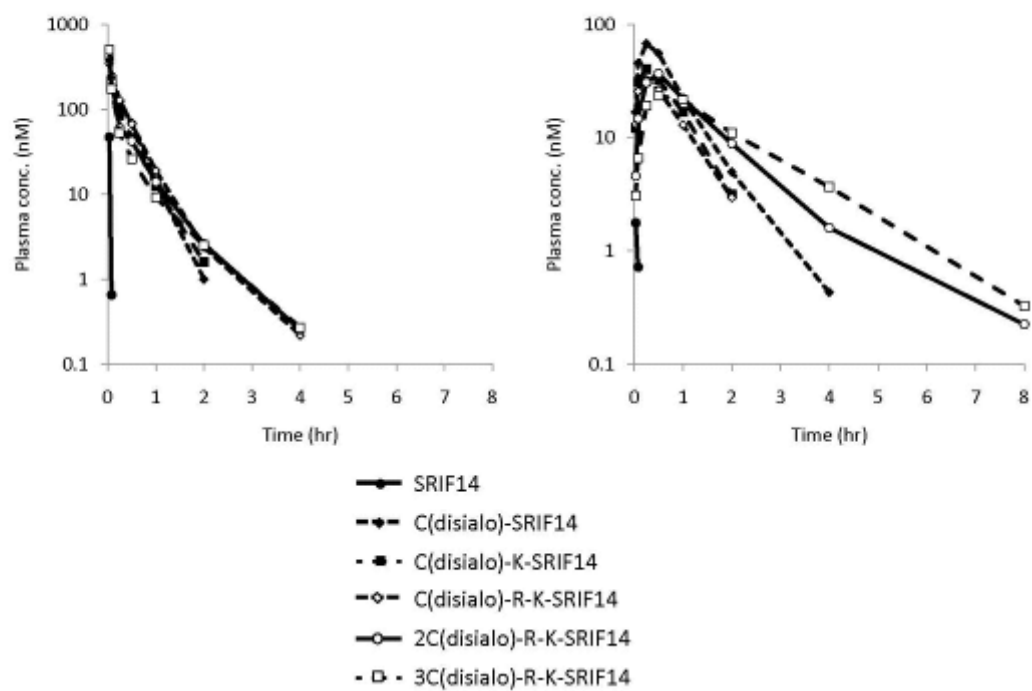
[Figure 14]



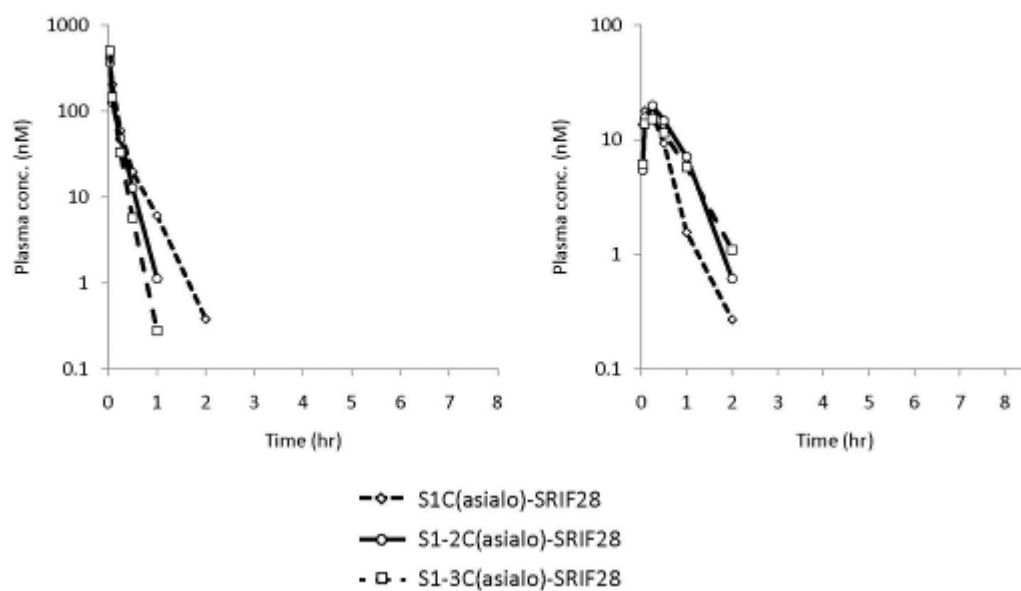
[Figure 15]



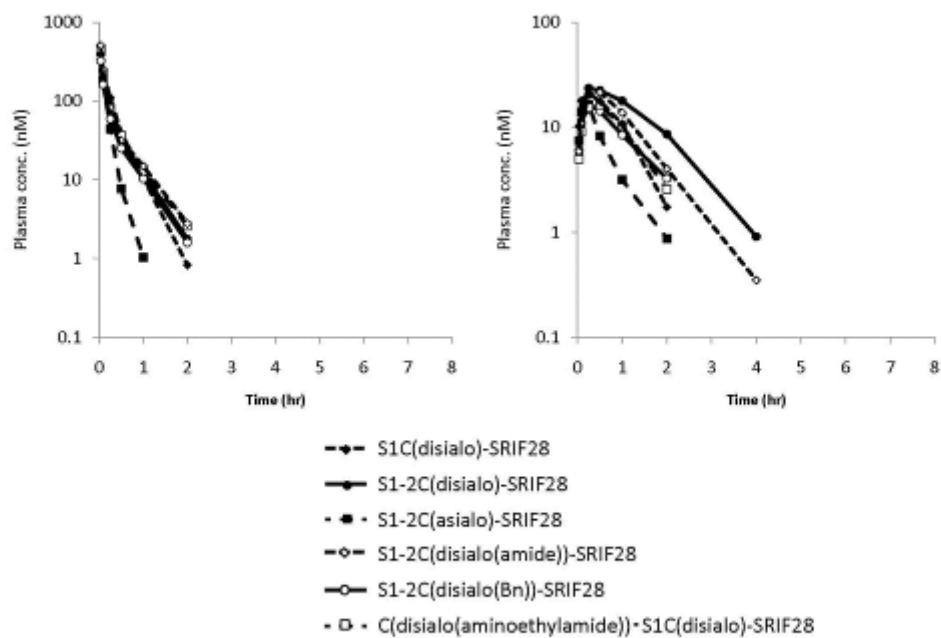
[Figure 16]



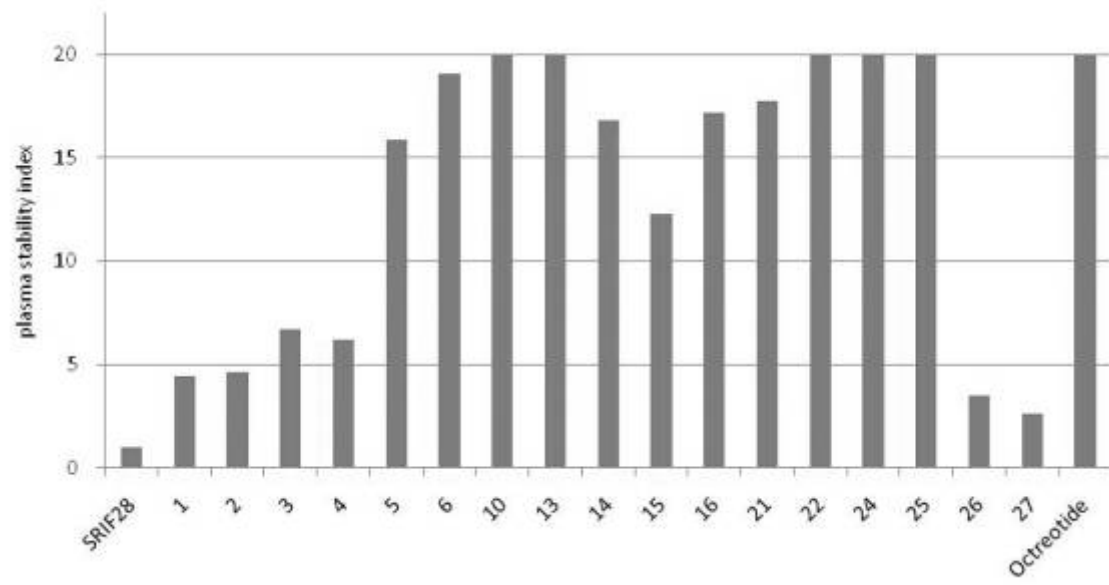
[Figure 17]



[Figure 18]



[Figure 19]



SEQUENCE LISTING

<110> GLYTECH, INC.

<120> GLYCOSYLATED POLYPEPTIDE AND DRUG COMPOSITION CONTAINING SAID POLYPEPTIDE

<130> SG4475A

<150> JP2011-192202

<151> 2011-09-04

<160> 160

<170> PatentIn version 3.1

<210> 1

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> DISULFID

<222> (3)..(14)

<223>

<400> 1

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 2

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<400> 2

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 3

<211> 14

<212> PRT

<213> artificial sequence

<220>

<221> DISULFID

<222> (3)..(14)

<223>

<220>

<221> MOD_RES

<222> (14)..(14)

<223> AMIDATION

<400> 3

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 4

<211> 28

<212> PRT

<213> artificial sequence

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<220>

<221> MOD_RES

<222> (28)..(28)

<223> AMIDATION

<400> 4

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 5

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<400> 5

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 6

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (5)..(5)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 6

Ser Ala Asn Ser Cys Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 7
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (9)..(9)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 7

Ser Ala Asn Ser Asn Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 8
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (12)..(12)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 8

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Cys Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 9
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (13)..(13)
 <223> disialo sugar chain added

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<400> 9

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Cys Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 10
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (14)..(14)
 <223> disialo sugar chain added

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<400> 10

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Cys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 11
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (15)..(15)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 11

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Cys Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 12
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (16)..(16)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 12

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Cys
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 13
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (18)..(18)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)

<223>

<400> 13

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Cys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 14

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (19)..(19)

<223> disialo sugar chain added

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<400> 14

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 15

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (21)..(21)

<223> disialo sugar chain added

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<400> 15

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Cys Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 16
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (26)..(26)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 16

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Cys Ser Cys
20 25

<210> 17
<211> 29
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (29)..(29)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 17

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Cys
20 25

<210> 18
<211> 30
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (30)..(30)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 18

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Thr Cys
20 25 30

<210> 19
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223>

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> D-Trp

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 19

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 20
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (9)..(9)
<223>

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> D-Trp

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<400> 20

Ser Ala Asn Ser Asn Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 21
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> DISULFID
 <222> (18)..(29)
 <223>

<220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> disialo sugar chain added

<400> 21

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 22
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<220>

<221> CARBOHYD
<222> (5)..(5)
<223> disialo sugar chain added

<400> 22

Cys Ala Asn Ser Cys Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 23
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (13)..(13)
<223> disialo sugar chain added

<400> 23

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Cys Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 24
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (5)..(5)
<223> disialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (9)..(9)

<223> disialo sugar chain added

<400> 24

Ser Ala Asn Ser Cys Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 25

<211> 30

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> DISULFID

<222> (19)..(30)

<223>

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> disialo sugar chain added

<220>

<221> CARBOHYD

<222> (3)..(3)

<223> disialo sugar chain added

<400> 25

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25 30

<210> 26

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<220>
<221> CARBOHYD
<222> (5)..(5)
<223> disialo sugar chain added

<220>
<221> CARBOHYD
<222> (9)..(9)
<223> disialo sugar chain added

<400> 26

Cys Ala Asn Ser Cys Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 27
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> monosialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 27

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 28
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> asialo sugar chain added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 28

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 29

<211> 29

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> asialo sugar chain added

<220>

<221> DISULFID

<222> (18)..(29)

<223>

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> asialo sugar chain added

<400> 29

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 30

<211> 30

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> asialo suger chain added

<220>

<221> DISULFID

<222> (19)..(30)

<223>

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> asialo suger chain added

<220>
 <221> CARBOHYD
 <222> (3)..(3)
 <223> asialo suger chain added

<400> 30

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
 1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25 30

<210> 31
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (5)..(5)
 <223> disialo sugar chain added

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<400> 31

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 32
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<400> 32

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 33
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (19)..(19)
 <223> GlcNAc added

<400> 33

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 34
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (19)..(19)
 <223> diMan sugar chain added

<400> 34

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 35
<211> 15
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (4)..(15)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<400> 35

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 36
<211> 17
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (6)..(17)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<400> 36

Cys Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser
1 5 10 15

Cys

<210> 37
<211> 15
<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> DISULFID

<222> (4)..(15)

<223>

<220>

<221> NON_CONS

<222> (1)..(2)

<223> Cys and Ala are bonded through C12linker

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<400> 37

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 38

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 38

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 39

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 39

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 40

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<400> 40

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 41

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 41

Ser Ala Asn Ser Cys Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 42

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 42

Ser Ala Asn Ser Asn Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 43

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 43

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Cys Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys

20

25

<210> 44
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<400> 44

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Cys Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 45
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<400> 45

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Cys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 46
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 46

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Cys Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 47

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 47

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Cys
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 48

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> AcM

<400> 48

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Cys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 49
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> AcM

<220>
<221> BINDING
<222> (28)..(28)
<223> AcM

<400> 49

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 50
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> AcM

<220>
<221> BINDING
<222> (28)..(28)
<223> AcM

<400> 50

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Cys Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 51
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 51

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Cys Ser Cys
20 25

<210> 52
<211> 29
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 52

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Cys
20 25

<210> 53
<211> 30
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 53

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Thr Cys
20 25 30

<210> 54
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> D-Trp

<400> 54

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 55
<211> 28

<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> D-Trp

<400> 55

Ser Ala Asn Ser Asn Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 56
<211> 15
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (4)..(4)
<223> Acn

<220>
<221> BINDING
<222> (15)..(15)
<223> Acn

<400> 56

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 57
<211> 17
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (6)..(6)
<223> Acn

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<400> 57

Cys Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser
1 5 10 15

Cys

<210> 58
<211> 14
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (1)..(1)
<223> Fmoc

<220>
<221> BINDING
<222> (3)..(3)
<223> Acn

<220>
<221> BINDING
<222> (4)..(4)
<223> Boc

<220>
<221> BINDING
<222> (5)..(5)
<223> Trt

<220>
<221> BINDING
<222> (8)..(8)
<223> Boc

<220>
<221> BINDING
<222> (9)..(9)
<223> Boc

<220>
<221> BINDING

<222> (10)..(10)
<223> tBu

<220>
<221> BINDING
<222> (12)..(12)
<223> tBu

<220>
<221> BINDING
<222> (13)..(13)
<223> tBu

<220>
<221> BINDING
<222> (14)..(14)
<223> AcM

<220>
<221> BINDING
<222> (14)..(14)
<223> Resin

<400> 58

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 59
<211> 15
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (4)..(4)
<223> AcM

<220>
<221> BINDING
<222> (15)..(15)
<223> AcM

<220>
<221> NON_CONS
<222> (1)..(2)
<223> Cys and Ala are bonded through C12linker

<400> 59

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 60
<211> 15

<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (4)..(4)
<223> Acn

<220>
<221> BINDING
<222> (15)..(15)
<223> Acn

<220>
<221> NON_CONS
<222> (1)..(2)
<223> Cys and Ala are bonded through C12linker

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<400> 60

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 61
<211> 15
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> NON_CONS
<222> (1)..(2)
<223> Cys and Ala are bonded through C12linker

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<400> 61

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 62
<211> 29
<212> PRT
<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (18)..(18)

<223> Acn

<220>

<221> BINDING

<222> (29)..(29)

<223> Acn

<400> 62

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 63

<211> 29

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (18)..(18)

<223> Acn

<220>

<221> BINDING

<222> (29)..(29)

<223> Acn

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> disialo sugar chain added

<400> 63

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 64

<211> 29

<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> CARBOHYD
<222> (2)..(2)
<223> disialo sugar chain added

<400> 64

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 65
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 65

Cys Ala Asn Ser Cys Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 66
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING

<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 66

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Cys Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 67
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 67

Ser Ala Asn Ser Cys Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 68
<211> 30
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (19)..(19)
<223> Acn

<220>
<221> BINDING
<222> (30)..(30)
<223> Acn

<400> 68

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25 30

<210> 69

<211> 30

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> disialo sugar chain added

<220>

<221> CARBOHYD

<222> (3)..(3)

<223> disialo sugar chain added

<220>

<221> BINDING

<222> (19)..(19)

<223> Acn

<220>

<221> BINDING

<222> (30)..(30)

<223> Acn

<400> 69

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25 30

<210> 70

<211> 30

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (3)..(3)
 <223> disialo sugar chain added

<400> 70

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
 1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25 30

<210> 71
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<400> 71

Cys Ala Asn Ser Cys Pro Ala Met Cys Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 72
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD

<222> (1)..(1)
<223> asialo sugar chain added

<220>
<221> CARBOHYD
<222> (2)..(2)
<223> asialo sugar chain added

<220>
<221> BINDING
<222> (18)..(18)
<223> AcM

<220>
<221> BINDING
<222> (29)..(29)
<223> AcM

<400> 72

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 73
<211> 29
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> asialo sugar chain added

<220>
<221> CARBOHYD
<222> (2)..(2)
<223> asialo sugar chain added

<400> 73

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 74
<211> 30
<212> PRT
<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (19)..(19)

<223> Acn

<220>

<221> BINDING

<222> (30)..(30)

<223> Acn

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> asialo sugar chain added

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> asialo sugar chain added

<220>

<221> CARBOHYD

<222> (3)..(3)

<223> asialo sugar chain added

<400> 74

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25 30

<210> 75

<211> 30

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> asialo sugar chain added

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> asialo sugar chain added

<220>

<221> CARBOHYD

<222> (3)..(3)

<223> asialo sugar chain added

<400> 75

Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10 15

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25 30

<210> 76

<211> 23

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (1)..(1)

<223> Fmoc

<220>

<221> BINDING

<222> (6)..(6)

<223> Pbf

<220>

<221> BINDING

<222> (7)..(7)

<223> OtBu

<220>

<221> BINDING

<222> (8)..(8)

<223> Pbf

<220>

<221> BINDING

<222> (9)..(9)

<223> Boc

<220>

<221> BINDING

<222> (12)..(12)

<223> Trt

<220>

<221> BINDING

<222> (13)..(13)

<223> Boc

<220>

<221> BINDING

<222> (14)..(14)

<223> Trt

<220>

<221> BINDING

<222> (17)..(17)
<223> Boc

<220>
<221> BINDING
<222> (18)..(18)
<223> Boc

<220>
<221> BINDING
<222> (19)..(19)
<223> tBu

<220>
<221> BINDING
<222> (21)..(21)
<223> tBu

<220>
<221> BINDING
<222> (22)..(22)
<223> tBu

<220>
<221> BINDING
<222> (23)..(23)
<223> Trt

<221> BINDING
<222> (23)..(23)
<223> Resin

<400> 76

Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Phe
1 5 10 15

Trp Lys Thr Phe Thr Ser Cys
20

<210> 77
<211> 24
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain protected with benzyl group added

<220>
<221> BINDING
<222> (7)..(7)
<223> Pbf

<220>
<221> BINDING
<222> (8)..(8)
<223> OtBu

<220>
<221> BINDING
<222> (9)..(9)
<223> Pbf

<220>
<221> BINDING
<222> (10)..(10)
<223> Boc

<220>
<221> BINDING
<222> (13)..(13)
<223> Trt

<220>
<221> BINDING
<222> (14)..(14)
<223> Boc

<220>
<221> BINDING
<222> (15)..(15)
<223> Trt

<220>
<221> BINDING
<222> (18)..(18)
<223> Boc

<220>
<221> BINDING
<222> (19)..(19)
<223> Boc

<220>
<221> BINDING
<222> (20)..(20)
<223> tBu

<220>
<221> BINDING
<222> (22)..(22)
<223> tBu

<220>
<221> BINDING
<222> (23)..(23)
<223> tBu

<220>

<221> BINDING
<222> (24)..(24)
<223> Trt

<220>
<221> BINDING
<222> (24)..(24)
<223> Resin

<400> 77

Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe
1 5 10 15

Phe Trp Lys Thr Phe Thr Ser Cys
20

<210> 78
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (5)..(5)
<223> disialo sugar chain protected with benzyl group added

<400> 78

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 79
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (5)..(5)
<223> disialo sugar chain protected with benzyl group added

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<400> 79

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 80
 <211> 27
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (1)..(1)
 <223> Fmoc

<220>
 <221> BINDING
 <222> (2)..(2)
 <223> Trt

<220>
 <221> BINDING
 <222> (3)..(3)
 <223> tBu

<220>
 <221> BINDING
 <222> (4)..(4)
 <223> Trt

<220>
 <221> BINDING
 <222> (10)..(10)
 <223> Pbf

<220>
 <221> BINDING
 <222> (11)..(11)
 <223> OtBu

<220>
 <221> BINDING
 <222> (12)..(12)
 <223> Pbf

<220>
 <221> BINDING
 <222> (13)..(13)
 <223> Boc

<220>
 <221> BINDING
 <222> (16)..(16)
 <223> Trt

<220>
<221> BINDING
<222> (17)..(17)
<223> Boc

<220>
<221> BINDING
<222> (18)..(18)
<223> Trt

<220>
<221> BINDING
<222> (21)..(21)
<223> Boc

<220>
<221> BINDING
<222> (22)..(22)
<223> Boc

<220>
<221> BINDING
<222> (23)..(23)
<223> tBu

<220>
<221> BINDING
<222> (25)..(25)
<223> tBu

<220>
<221> BINDING
<222> (26)..(26)
<223> tBu

<220>
<221> BINDING
<222> (27)..(27)
<223> Trt

<220>
<221> BINDING
<222> (27)..(27)
<223> Resin

<400> 80

Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly Cys
1 5 10 15

Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 81
<211> 28
<212> PRT
<213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain protected with benzyl group added

<220>
 <221> BINDING
 <222> (3)..(3)
 <223> Trt

<220>
 <221> BINDING
 <222> (4)..(4)
 <223> tBu

<220>
 <221> BINDING
 <222> (5)..(5)
 <223> Trt

<220>
 <221> BINDING
 <222> (11)..(11)
 <223> Pbf

<220>
 <221> BINDING
 <222> (12)..(12)
 <223> OtBu

<220>
 <221> BINDING
 <222> (13)..(13)
 <223> Pbf

<220>
 <221> BINDING
 <222> (14)..(14)
 <223> Boc

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Trt

<220>
 <221> BINDING
 <222> (18)..(18)
 <223> Boc

<220>
 <221> BINDING
 <222> (19)..(19)
 <223> Trt

<220>
<221> BINDING
<222> (22)..(22)
<223> Boc

<220>
<221> BINDING
<222> (23)..(23)
<223> Boc

<220>
<221> BINDING
<222> (24)..(24)
<223> tBu

<220>
<221> BINDING
<222> (26)..(26)
<223> tBu

<220>
<221> BINDING
<222> (27)..(27)
<223> tBu

<220>
<221> BINDING
<222> (28)..(28)
<223> Trt

<220>
<221> BINDING
<222> (28)..(28)
<223> Resin

<400> 81

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 82
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain protected with benzyl group added

<400> 82

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 83

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain protected with benzyl group added

<400> 83

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 84

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (1)..(1)

<223> StBu

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<400> 84

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly

1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 85
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> GlcNAc added

<400> 85

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 86
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> GlcNAc added

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<400> 86

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 87
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (19)..(19)
 <223> GlcNAc added

<400> 87

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 88
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (18)..(18)
 <223> Acn

<220>
 <221> BINDING
 <222> (29)..(29)
 <223> Acn

<400> 88

Cys Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 89
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (18)..(29)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<400> 89

Cys Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 90
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<400> 90

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Cys Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 91
 <211> 28
 <212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> DISULFID
<222> (17)..(28)

<223>

<220>

<221> CARBOHYD
<222> (11)..(11)
<223> disialo sugar chain added

<400> 91

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Cys Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 92

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING
<222> (17)..(17)
<223> Acn

<220>

<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 92

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Cys Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 93

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> DISULFID
<222> (17)..(28)
<223>

<220>

<221> CARBOHYD
<222> (20)..(20)
<223> disialo sugar chain added

<400> 93

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Cys Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 94
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 94

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Cys Phe Thr Ser Cys
20 25

<210> 95
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (24)..(24)
<223> disialo sugar chain added

<400> 95

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Cys Phe Thr Ser Cys
20 25

<210> 96
<211> 28
<212> PRT
<213> artificial sequence
<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 96

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Cys Thr Ser Cys
20 25

<210> 97
<211> 28
<212> PRT
<213> artificial sequence
<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (25)..(25)
<223> disialo sugar chain added

<400> 97

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Cys Thr Ser Cys
20 25

<210> 98
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 98

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Cys Cys
20 25

<210> 99
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (27)..(27)
<223> disialo sugar chain added

<400> 99

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Cys Cys
20 25

<210> 100
<211> 16
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (5)..(5)
<223> Acn

<220>
<221> BINDING

<222> (16)..(16)
<223> AcM

<400> 100

Cys Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 101
<211> 16
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (5)..(16)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<400> 101

Cys Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 102
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> AcM

<220>
<221> BINDING
<222> (28)..(28)
<223> AcM

<400> 102

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys
20 25

<210> 103
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<400> 103

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys
20 25

<210> 104
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> MOD_RES
<222> (28)..(28)
<223> AMIDATION

<400> 104

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 105
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID

<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> MOD_RES
<222> (28)..(28)
<223> AMIDATION

<400> 105

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 106
<211> 15
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (4)..(4)
<223> Acn

<220>
<221> BINDING
<222> (15)..(15)
<223> Acn

<220>
<221> NON_CONS
<222> (1)..(2)
<223> Cys and Ala are bonded through PEGlinker

<400> 106

Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 107
<211> 15
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (4)..(15)
<223>

<220>
<221> CARBOHYD

<222> (1)..(1)
 <223> disialo sugar chain added

 <220>
 <221> NON_CONS
 <222> (1)..(2)
 <223> Cys and Ala are bonded through PEGlinker

 <400> 107
 Cys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 1 5 10 15

 <210> 108
 <211> 28
 <212> PRT
 <213> artificial sequence

 <220>
 <223> chemically synthesized

 <220>
 <221> BINDING
 <222> (1)..(1)
 <223> Fmoc

 <220>
 <221> BINDING
 <222> (1)..(1)
 <223> Trt

 <220>
 <221> BINDING
 <222> (3)..(3)
 <223> Trt

 <220>
 <221> BINDING
 <222> (4)..(4)
 <223> tBu

 <220>
 <221> BINDING
 <222> (5)..(5)
 <223> Trt

 <220>
 <221> BINDING
 <222> (11)..(11)
 <223> Pbf

 <220>
 <221> BINDING
 <222> (12)..(12)
 <223> OtBu

 <220>
 <221> BINDING
 <222> (13)..(13)
 <223> Pbf

 <220>
 <221> BINDING
 <222> (14)..(14)
 <223> Boc

 <220>

<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (18)..(18)
<223> Boc

<220>
<221> BINDING
<222> (19)..(19)
<223> Trt

<220>
<221> BINDING
<222> (22)..(22)
<223> Boc

<220>
<221> BINDING
<222> (23)..(23)
<223> Boc

<220>
<221> BINDING
<222> (24)..(24)
<223> tBu

<220>
<221> BINDING
<222> (26)..(26)
<223> tBu

<220>
<221> BINDING
<222> (27)..(27)
<223> tBu

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Resin

<400> 108

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 109
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>

<221> BINDING
<222> (17)..(17)
<223> AcM

<220>
<221> BINDING
<222> (28)..(28)
<223> AcM

<220>
<221> BINDING
<222> (1)..(1)
<223> Biotin

<400> 109

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 110
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> BINDING
<222> (1)..(1)
<223> Biotin

<400> 110

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 111
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>

<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> BINDING
<222> (1)..(1)
<223> Biotin is bonded to Cys through PEGlinker

<400> 111

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 112
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> BINDING
<222> (1)..(1)
<223> Biotin is bonded to Cys through PEGlinker

<400> 112

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 113
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>

<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> BINDING
<222> (1)..(1)
<223> Azido pentanoyl is bonded to Cys

<400> 113

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 114
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> BINDING
<222> (1)..(1)
<223> Azido pentanoyl is bonded to Cys

<400> 114

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 115
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>

<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<400> 115

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Cys Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 116
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> CARBOHYD
<222> (12)..(12)
<223> disialo sugar chain added

<400> 116

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Cys Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 117
<211> 18
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (7)..(7)
<223> Acn

<220>

<221> BINDING
<222> (18)..(18)
<223> Acn

<400> 117

Cys Cys Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr
1 5 10 15

Ser Cys

<210> 118
<211> 18
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (7)..(18)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> disialo sugar chain added

<220>
<221> CARBOHYD
<222> (2)..(2)
<223> disialo sugar chain added

<400> 118

Cys Cys Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr
1 5 10 15

Ser Cys

<210> 119
<211> 19
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (8)..(8)
<223> Acn

<220>
<221> BINDING
<222> (19)..(19)
<223> Acn

<400> 119

Cys Cys Cys Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe
1 5 10 15

Thr Ser Cys

<210> 120

<211> 19

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> DISULFID

<222> (8)..(19)

<223>

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> disialo sugar chain added

<220>

<221> CARBOHYD

<222> (2)..(2)

<223> disialo sugar chain added

<220>

<221> CARBOHYD

<222> (3)..(3)

<223> disialo sugar chain added

<400> 120

Cys Cys Cys Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe
1 5 10 15

Thr Ser Cys

<210> 121

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> AcM

<220>

<221> BINDING

<222> (28)..(28)

<223> AcM

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> diGlcNAc sugar chain added

<400> 121

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 122

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> diGlcNAc sugar chain added

<400> 122

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 123

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> DISULFID

<222> (17)..(28)

<223>

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> diGlcNAc sugar chain added

<400> 123

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 124

<211> 28

<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> diMan sugar chain added

<400> 124

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 125
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> diMan sugar chain added

<400> 125

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 126
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> GlcNAc added

<400> 126

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 127
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> GlcNAc added

<400> 127

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 128
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Trisialo sugar chain added

<400> 128

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 129
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Tetrasialo sugar chain added

<400> 129

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 130
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(Boc-aminoethylamide) sugar chain added

<400> 130

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys

<210> 131
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(aminoethylamide) sugar chain added

<400> 131

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 132
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(aminoethylamide) sugar chain added

<400> 132

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 133
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo(aminoethylamide) sugar chain added

<400> 133

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 134
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo(amide) sugar chain added

<400> 134

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 135
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo sugar chain protected with benzyl group added

<400> 135

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 136

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> BINDING

<222> (17)..(17)

<223> Acn

<220>

<221> BINDING

<222> (28)..(28)

<223> Acn

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> Disialo(hexadecylamide) sugar chain added

<400> 136

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 137

<211> 28

<212> PRT

<213> artificial sequence

<220>

<223> chemically synthesized

<220>

<221> CARBOHYD

<222> (1)..(1)

<223> Disialo(hexadecylamide) sugar chain added

<400> 137

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 138
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(hexadecylamide) sugar chain added

<400> 138

Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 139
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (18)..(29)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(amide) sugar chain added

<220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> Disialo(amide) sugar chain added

<400> 139

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 140
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

 <220>
 <221> DISULFID
 <222> (18)..(29)
 <223>

 <220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo sugar chain protected with benzyl group added

 <220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> Disialo sugar chain protected with benzyl group added

 <400> 140
 Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 141
 <211> 28
 <212> PRT
 <213> artificial sequence

 <220>
 <223> chemically synthesized

 <220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

 <220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Asn(disialo) added

<400> 141
 Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 142
 <211> 27
 <212> PRT
 <213> artificial sequence

 <220>
 <223> chemically synthesized

 <220>
 <221> BINDING

<222> (1)..(1)
 <223> Fmoc

 <220>
 <221> BINDING
 <222> (2)..(2)
 <223> Trt

 <220>
 <221> BINDING
 <222> (3)..(3)
 <223> tBu

 <220>
 <221> BINDING
 <222> (4)..(4)
 <223> Trt

 <220>
 <221> BINDING
 <222> (10)..(10)
 <223> Pbf

 <220>
 <221> BINDING
 <222> (11)..(11)
 <223> OtBu

 <220>
 <221> BINDING
 <222> (12)..(12)
 <223> Pbf

 <220>
 <221> BINDING
 <222> (13)..(13)
 <223> Boc

 <220>
 <221> BINDING
 <222> (16)..(16)
 <223> Acn

 <220>
 <221> BINDING
 <222> (17)..(17)
 <223> Boc

 <220>
 <221> BINDING
 <222> (18)..(18)
 <223> Trt

 <220>
 <221> BINDING
 <222> (21)..(21)
 <223> Boc

 <220>
 <221> BINDING
 <222> (22)..(22)
 <223> Boc

 <220>
 <221> BINDING
 <222> (23)..(23)
 <223> tBu

<220>
 <221> BINDING
 <222> (25)..(25)
 <223> tBu

<220>
 <221> BINDING
 <222> (26)..(26)
 <223> tBu

<220>
 <221> BINDING
 <222> (27)..(27)
 <223> Acn

<220>
 <221> BINDING
 <222> (27)..(27)
 <223> Resin

<400> 142

Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly Cys
 1 5 10 15

Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 143
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo sugar chain protected with benzyl group added

<220>
 <221> BINDING
 <222> (3)..(3)
 <223> Trt

<220>
 <221> BINDING
 <222> (4)..(4)
 <223> tBu

<220>
 <221> BINDING
 <222> (5)..(5)
 <223> Trt

<220>
 <221> BINDING
 <222> (11)..(11)
 <223> Pbf

<220>
 <221> BINDING
 <222> (12)..(12)
 <223> OtBu

<220>
 <221> BINDING
 <222> (13)..(13)
 <223> Pbf

<220>
 <221> BINDING
 <222> (14)..(14)
 <223> Boc

<220>
 <221> BINDING
 <222> (17)..(17)
 <223> Acn

<220>
 <221> BINDING
 <222> (18)..(18)
 <223> Boc

<220>
 <221> BINDING
 <222> (19)..(19)
 <223> Trt

<220>
 <221> BINDING
 <222> (22)..(22)
 <223> Boc

<220>
 <221> BINDING
 <222> (23)..(23)
 <223> Boc

<220>
 <221> BINDING
 <222> (24)..(24)
 <223> tBu

<220>
 <221> BINDING
 <222> (26)..(26)
 <223> tBu

<220>
 <221> BINDING
 <222> (27)..(27)
 <223> tBu

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Acn

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> Resin

<400> 143

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 144
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo sugar chain protected with benzyl group added

<400> 144

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 145
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (17)..(17)
<223> Acn

<220>
<221> BINDING
<222> (28)..(28)
<223> Acn

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo sugar chain protected with benzyl group added

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> diMan sugar chain added

<400> 145

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 146
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo sugar chain protected with benzyl group added

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> diMan sugar chain added

<400> 146

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 147
<211> 28
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> DISULFID
<222> (17)..(28)
<223>

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo sugar chain protected with benzyl group added

<220>
<221> CARBOHYD
<222> (19)..(19)
<223> diMan sugar chain added

<400> 147

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 148
 <211> 28
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (17)..(28)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (19)..(19)
 <223> diMan sugar chain added

<400> 148

Asn Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
 1 5 10 15

Cys Lys Cys Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 149
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (1)..(1)
 <223> Fmoc

<220>
 <221> BINDING
 <222> (1)..(1)
 <223> Trt

<220>
 <221> BINDING
 <222> (2)..(2)
 <223> StBu

<220>
 <221> BINDING
 <222> (4)..(4)
 <223> Trt

<220>
 <221> BINDING
 <222> (5)..(5)
 <223> tBu

<220>

<221> BINDING
 <222> (6)..(6)
 <223> Trt

<220>
 <221> BINDING
 <222> (12)..(12)
 <223> Pbf

<220>
 <221> BINDING
 <222> (13)..(13)
 <223> OtBu

<220>
 <221> BINDING
 <222> (14)..(14)
 <223> Pbf

<220>
 <221> BINDING
 <222> (15)..(15)
 <223> Boc

<220>
 <221> BINDING
 <222> (18)..(18)
 <223> Acn

<220>
 <221> BINDING
 <222> (19)..(19)
 <223> Boc

<220>
 <221> BINDING
 <222> (20)..(20)
 <223> Trt

<220>
 <221> BINDING
 <222> (23)..(23)
 <223> Boc

<220>
 <221> BINDING
 <222> (24)..(24)
 <223> Boc

<220>
 <221> BINDING
 <222> (25)..(25)
 <223> tBu

<220>
 <221> BINDING
 <222> (27)..(27)
 <223> tBu

<220>
 <221> BINDING
 <222> (28)..(28)
 <223> tBu

<220>
 <221> BINDING
 <222> (29)..(29)
 <223> Acn

<220>
 <221> BINDING
 <222> (29)..(29)
 <223> Resin

 <400> 149
 Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 150
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (2)..(2)
 <223> StBu

<220>
 <221> BINDING
 <222> (18)..(18)
 <223> Acn

<220>
 <221> BINDING
 <222> (29)..(29)
 <223> Acn

<400> 150
 Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 151
 <211> 29
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (2)..(2)
 <223> StBu

<220>
 <221> BINDING
 <222> (18)..(18)
 <223> Acn

<220>

<221> BINDING
<222> (29)..(29)
<223> Acn

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo(aminoethylamide) sugar chain added

<400> 151

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 152
<211> 29
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (18)..(18)
<223> Acn

<220>
<221> BINDING
<222> (29)..(29)
<223> Acn

<220>
<221> CARBOHYD
<222> (1)..(1)
<223> Disialo(aminoethylamide) sugar chain added

<400> 152

Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 153
<211> 29
<212> PRT
<213> artificial sequence

<220>
<223> chemically synthesized

<220>
<221> BINDING
<222> (18)..(18)
<223> Acn

<220>
<221> BINDING
<222> (29)..(29)

<223> Acn
 <220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(aminoethylamide) sugar chain added
 <220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> Disialo sugar chain added
 <400> 153
 Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15
 Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25
 <210> 154
 <211> 29
 <212> PRT
 <213> artificial sequence
 <220>
 <223> chemically synthesized
 <220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(aminoethylamide) sugar chain added
 <220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> Disialo sugar chain added
 <400> 154
 Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15
 Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25
 <210> 155
 <211> 29
 <212> PRT
 <213> artificial sequence
 <220>
 <223> chemically synthesized
 <220>
 <221> DISULFID
 <222> (18)..(29)
 <223>
 <220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> Disialo(aminoethylamide) sugar chain added

<220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> Disialo sugar chain added

 <400> 155

 Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
 1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 156
 <211> 31
 <212> PRT
 <213> artificial sequence

 <220>
 <223> chemically synthesized

<220>
 <221> BINDING
 <222> (1)..(1)
 <223> Fmoc

<220>
 <221> BINDING
 <222> (1)..(1)
 <223> Trt

<220>
 <221> BINDING
 <222> (2)..(2)
 <223> Trt

<220>
 <221> BINDING
 <222> (3)..(3)
 <223> Trt

<220>
 <221> BINDING
 <222> (4)..(4)
 <223> Trt

<220>
 <221> BINDING
 <222> (6)..(6)
 <223> Trt

<220>
 <221> BINDING
 <222> (7)..(7)
 <223> tBu

<220>
 <221> BINDING
 <222> (8)..(8)
 <223> Trt

<220>
 <221> BINDING
 <222> (14)..(14)
 <223> Pbf

<220>
<221> BINDING
<222> (15)..(15)
<223> OtBu

<220>
<221> BINDING
<222> (16)..(16)
<223> Pbf

<220>
<221> BINDING
<222> (17)..(17)
<223> Boc

<220>
<221> BINDING
<222> (20)..(20)
<223> Acn

<220>
<221> BINDING
<222> (21)..(21)
<223> Boc

<220>
<221> BINDING
<222> (22)..(22)
<223> Trt

<220>
<221> BINDING
<222> (25)..(25)
<223> Boc

<220>
<221> BINDING
<222> (26)..(26)
<223> Boc

<220>
<221> BINDING
<222> (27)..(27)
<223> tBu

<220>
<221> BINDING
<222> (29)..(29)
<223> tBu

<220>
<221> BINDING
<222> (30)..(30)
<223> tBu

<220>
<221> BINDING
<222> (31)..(31)
<223> Acn

<220>
<221> BINDING
<222> (31)..(31)
<223> Resin

<400> 156

Cys Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg

<220>
 <221> CARBOHYD
 <222> (4)..(4)
 <223> disialo sugar chain added

<400> 158

Cys Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg
 1 5 10 15

Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25 30

<210> 159
 <211> 31
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (3)..(3)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (4)..(4)
 <223> disialo sugar chain added

<400> 159

Cys Cys Cys Cys Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg
 1 5 10 15

Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25 30

<210> 160
 <211> 31
 <212> PRT
 <213> artificial sequence

<220>
 <223> chemically synthesized

<220>
 <221> DISULFID
 <222> (20)..(31)
 <223>

<220>
 <221> CARBOHYD
 <222> (1)..(1)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (2)..(2)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (3)..(3)
 <223> disialo sugar chain added

<220>
 <221> CARBOHYD
 <222> (4)..(4)
 <223> disialo sugar chain added

<400> 160

Cys	Cys	Cys	Cys	Ala	Asn	Ser	Asn	Pro	Ala	Met	Ala	Pro	Arg	Glu	Arg
1				5					10					15	

Lys	Ala	Gly	Cys	Lys	Asn	Phe	Phe	Trp	Lys	Thr	Phe	Thr	Ser	Cys
			20					25					30	