

[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																													
T26C(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	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	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 Dialo S-S																											
C(dialo)-C12linker-SRIF14	C C12 A G C K N F F W K T F T S C Dialo 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 Dialo Dialo 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 Dialo Dialo 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 Dialo Dialo 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 Dialo Dialo 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 Dialo Dialo Dialo 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 Dialo Dialo Dialo 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 Dialo 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 Dialo 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 Dialo 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 Dialo S-S difMan																											
S1-5C(dialo)-SRIF28	C 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 Dialo Dialo Dialo Dialo S-S																											
S1-10C(dialo)-SRIF28	C C C C 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 Dialo Dialo Dialo Dialo Dialo Dialo Dialo Dialo S-S																											

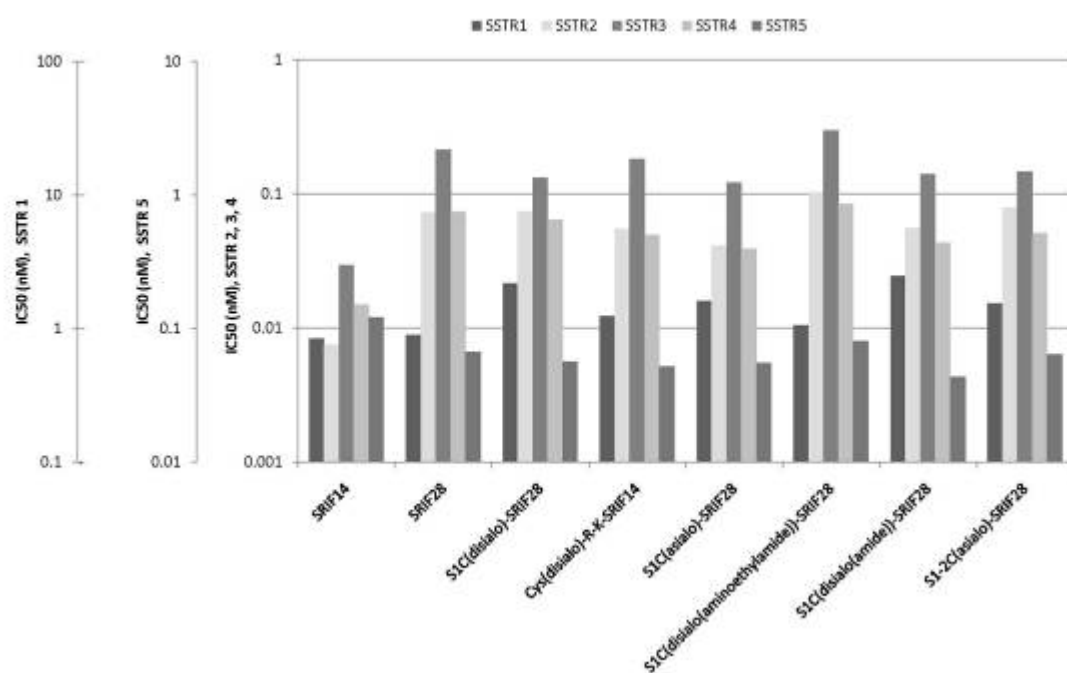
[Figure 1C]

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										S-S							
R11C(disialo)-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										S-S							
F20C(disialo)-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										S-S							
T24C(disialo)-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										S-S							
F25C(disialo)-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										S-S							
S27C(disialo)-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										S-S							
C(disialo)-K-SRIF14																		C	K	A	G	C	K	N	F	W	K	T	S	C					
																		Disialo											S-S						
S1C(disialo)-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										S-S							
S1C(disialo)-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	-NH ₂						
	Disialo																	S-S										S-S							
C(disialo)-PEGlinker-SRIF14																		C	PEG	A	G	C	K	N	F	W	K	T	F	T	S	C			
																		Disialo	Linker										S-S						
Biotin-S1C(disialo)-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										S-S							
Biotin-PEGlinker-S1C(disialo)-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					
	Linker	Disialo																S-S										S-S							
Azido-S1C(disialo)-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										S-S							
S1C(disialo)*E12C(disialo)-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																	Disialo										S-S							
																		C	C	R	K	A	G	C	K	N	F	W	K	T	F	T	S	C	
2C(disialo)-R-K-SRIF14																		Disialo	Disialo									S-S							
																		S-S										S-S							
3C(disialo)-R-K-SRIF14																		C	C	C	R	K	A	G	C	K	N	F	W	K	T	F	T	S	C
																		Disialo	Disialo	Disialo								S-S							
																		S-S										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							
	d(GlcNAc)																	S-S										S-S							

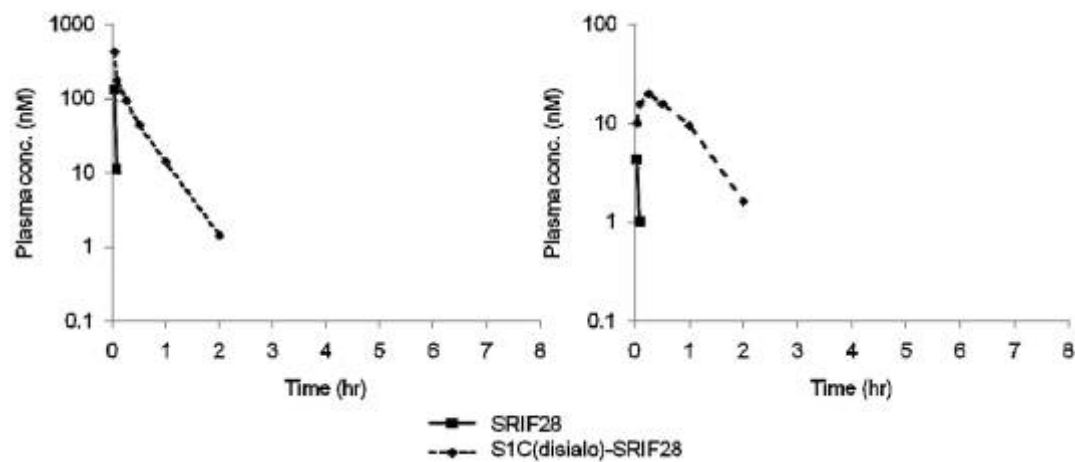
[Figure 1D]

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(difMan)-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			
																													difMan		
N19C(difMan)-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			
																													difMan		
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		
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			
																													GlcNAc		
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		
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		
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)		
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)		
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)		
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)		
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)	
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)	
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)		
S1N(disialo)-N19C(difMan)-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		
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)	
S1-4C(disialo)-SRIF28	C	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

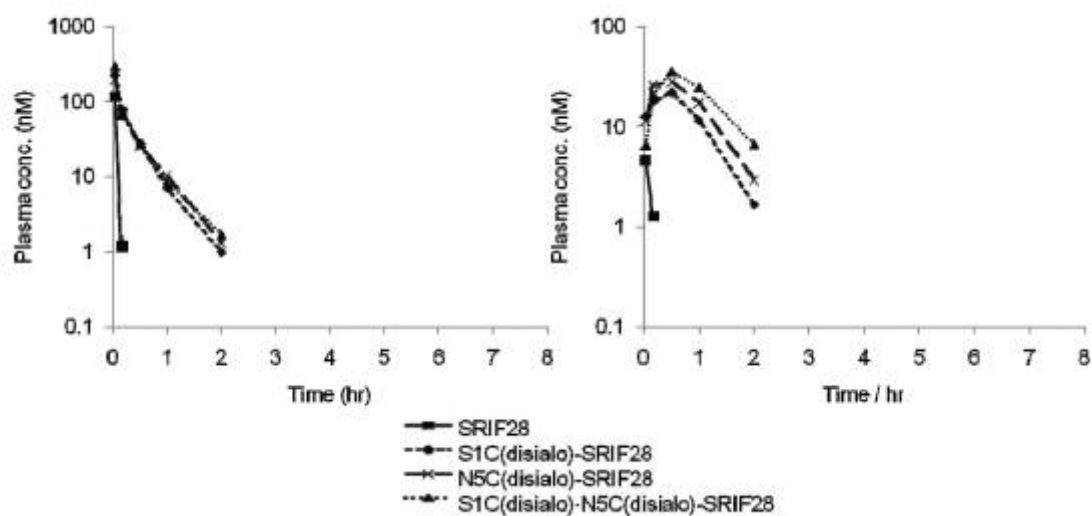
[Figure 1E]



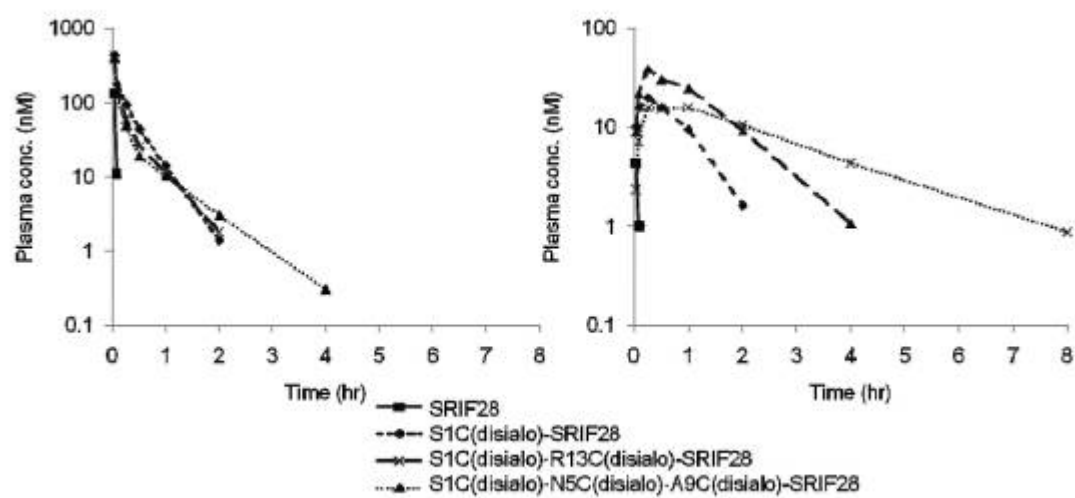
[Figure 2]



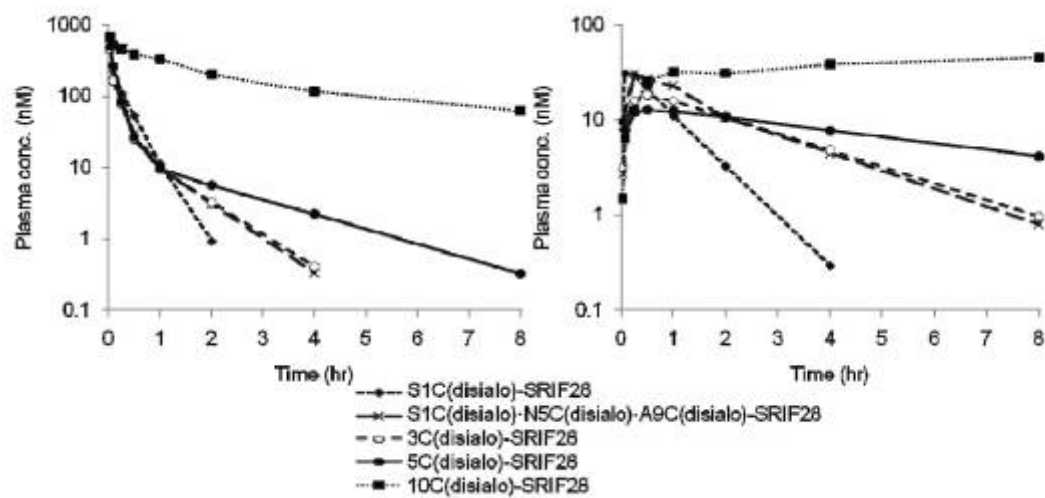
[Figure 3]



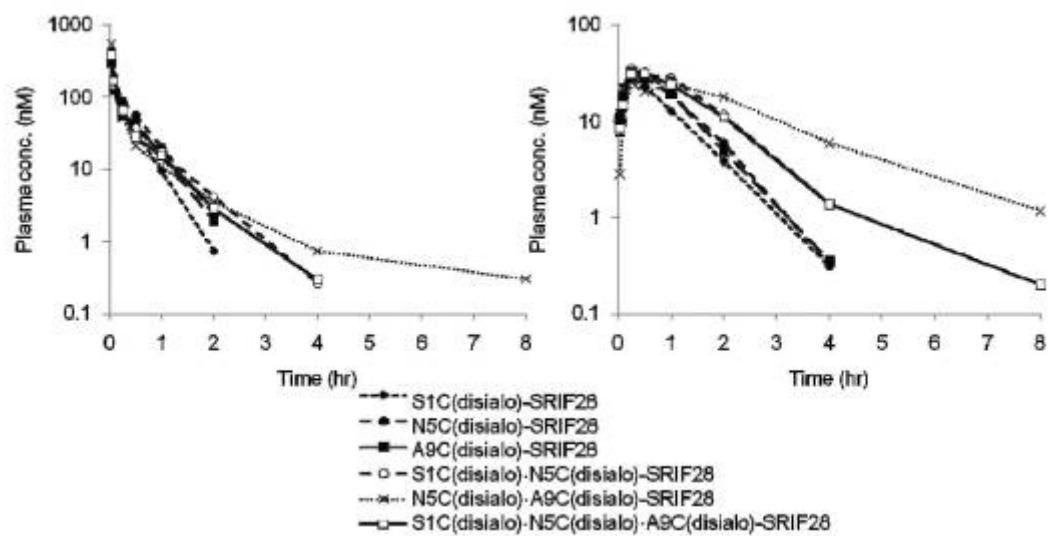
[Figure 4]



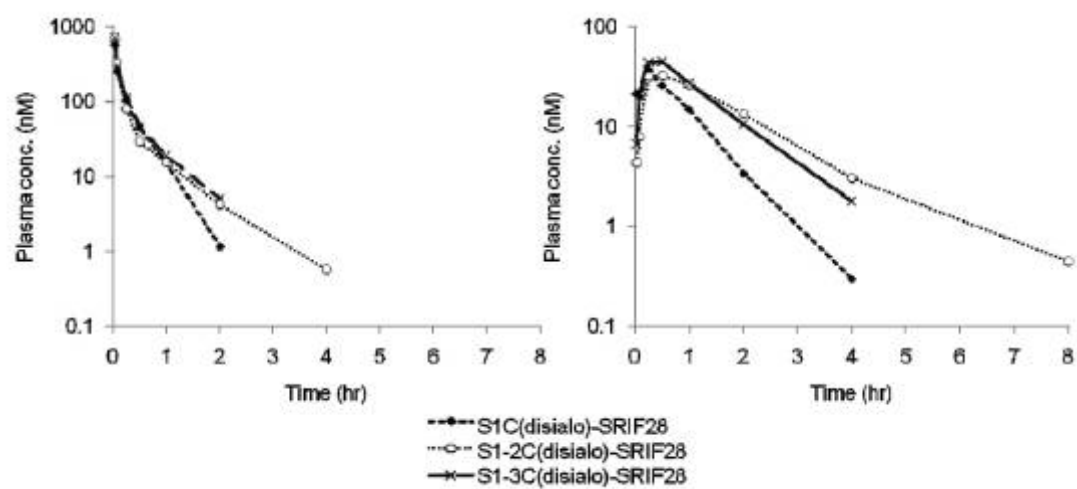
[Figure 5]



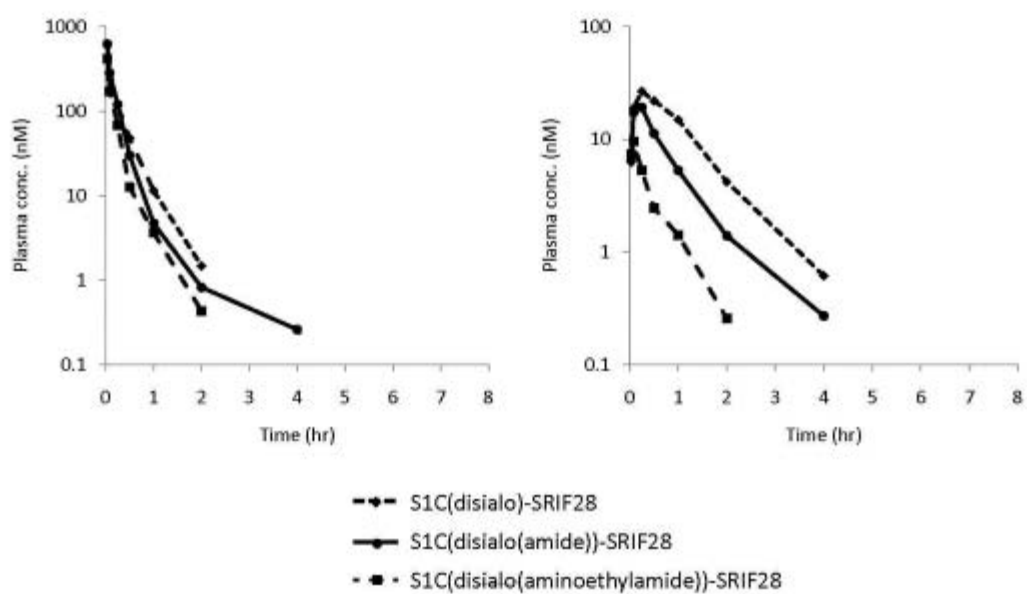
[Figure 6]



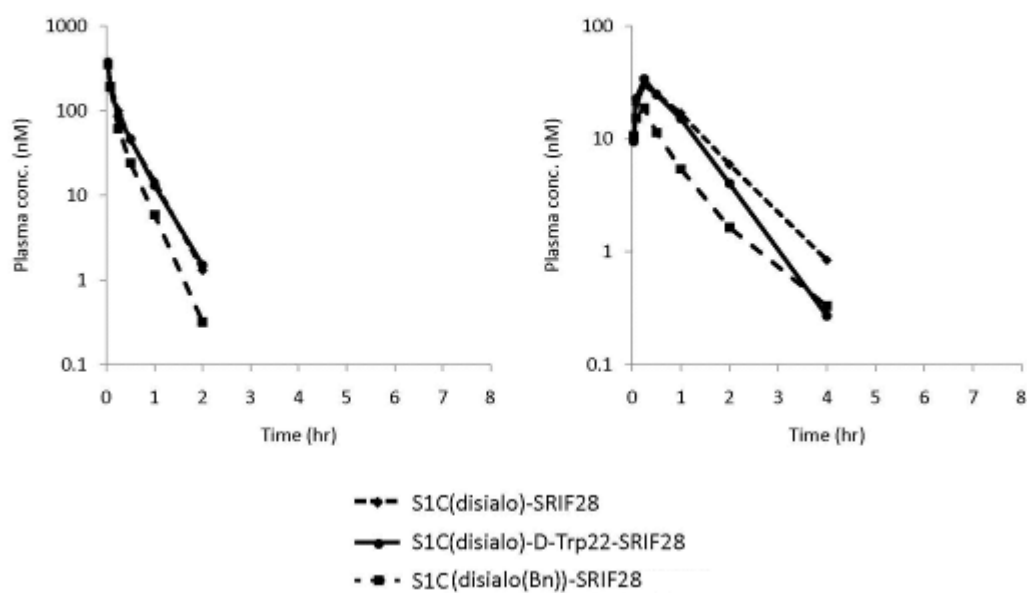
[Figure 7]



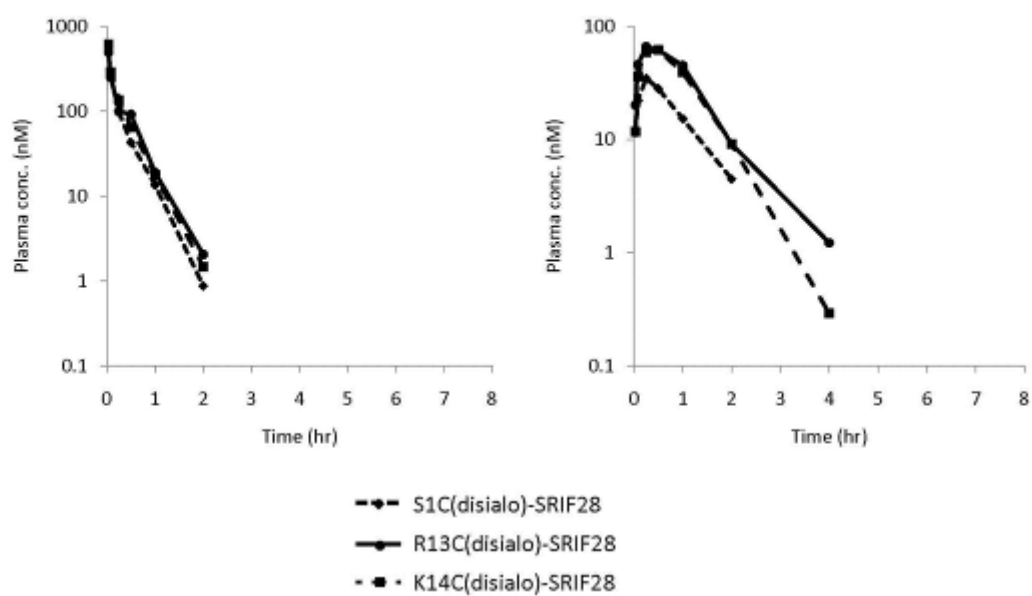
[Figure 8]



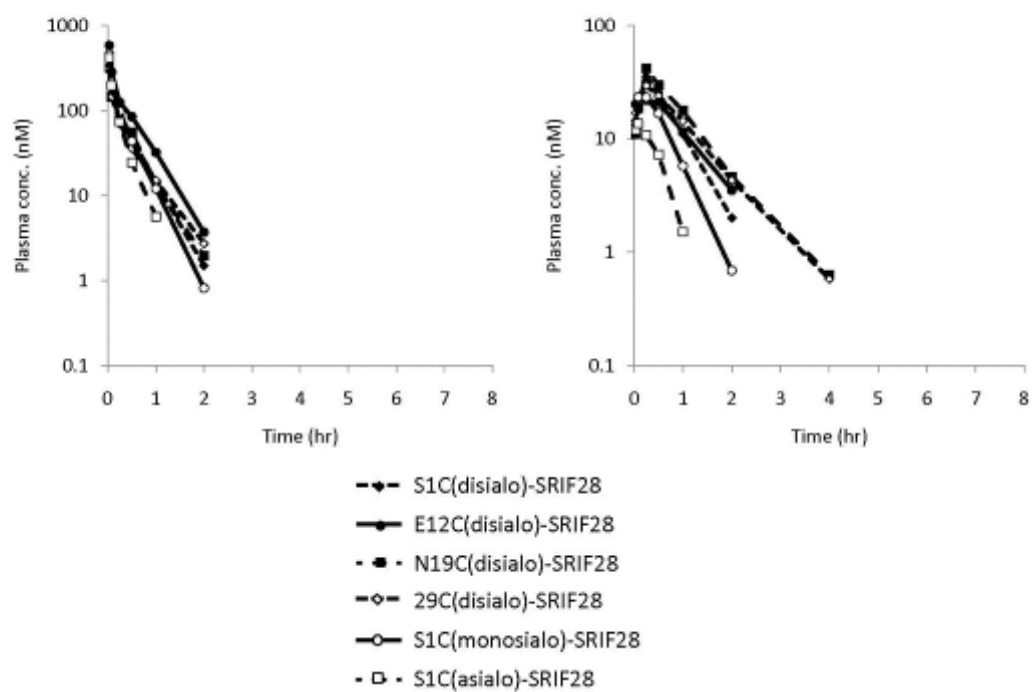
[Figure 9]



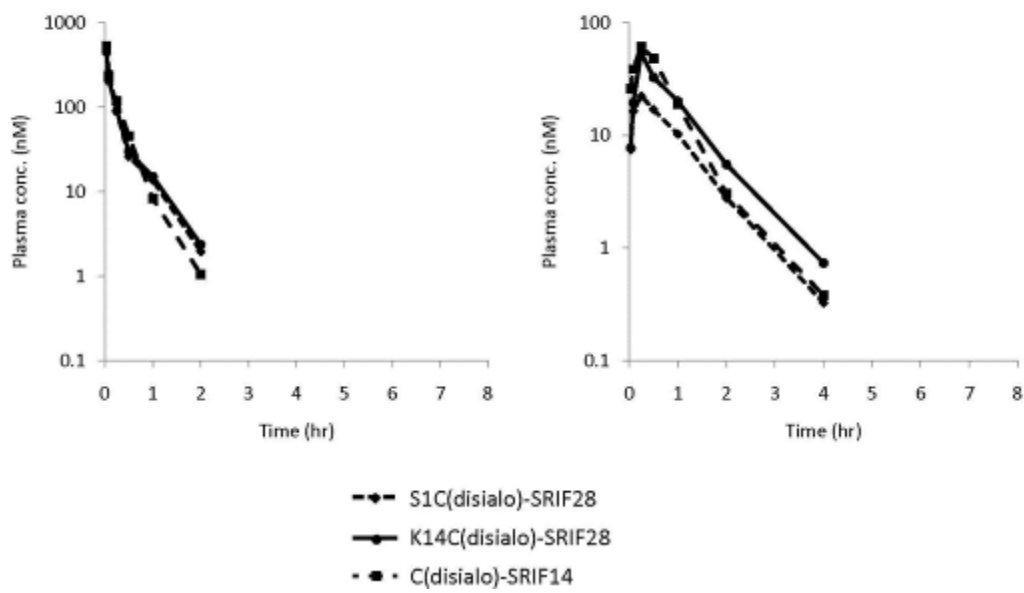
[Figure 10]



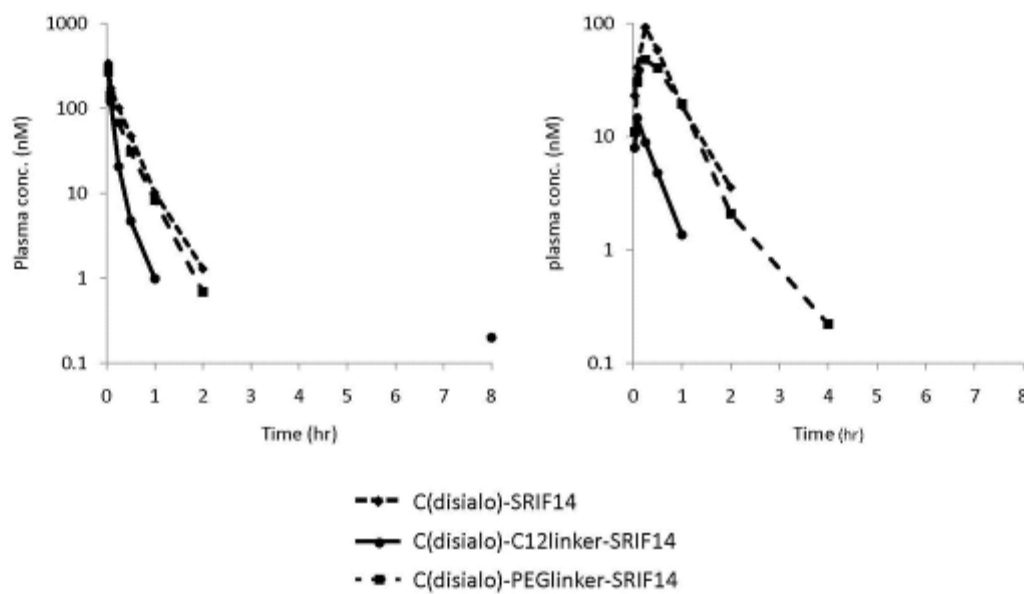
[Figure 11]



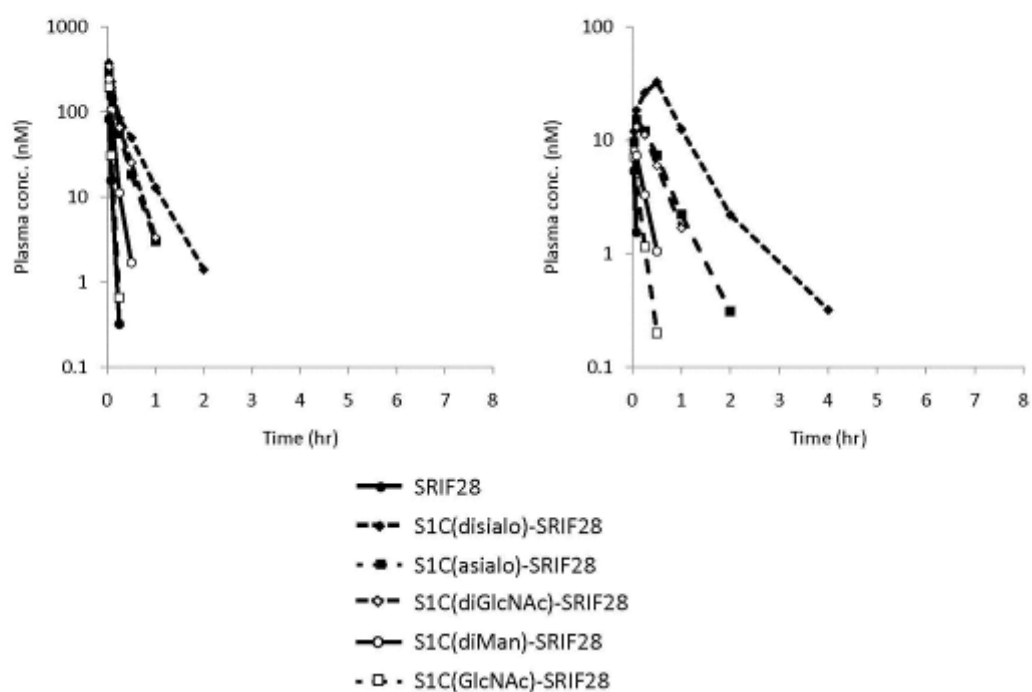
[Figure 12]



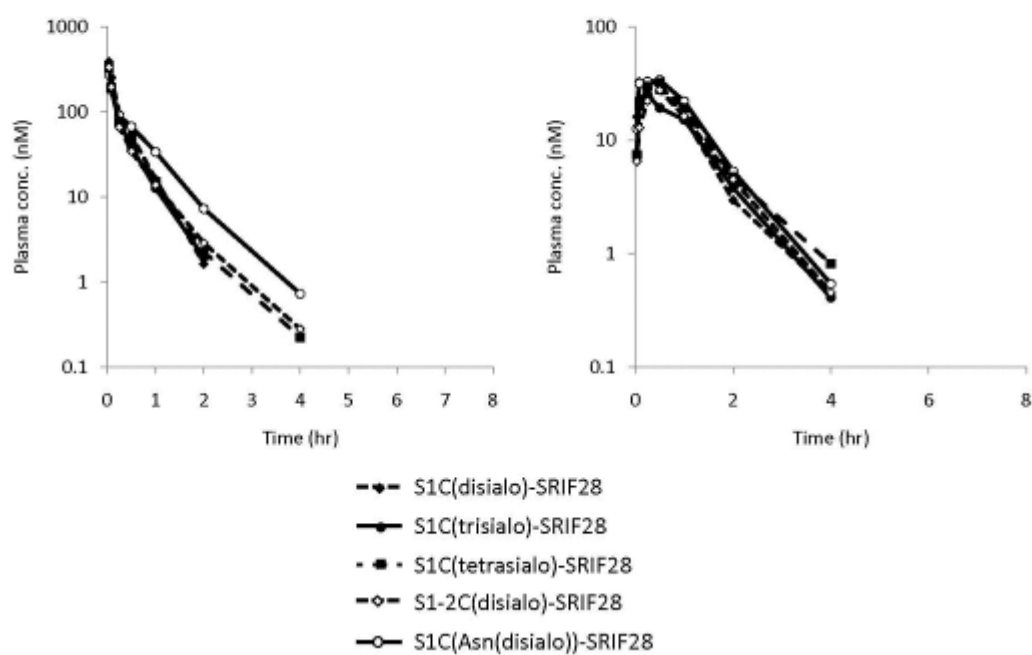
[Figure 13]



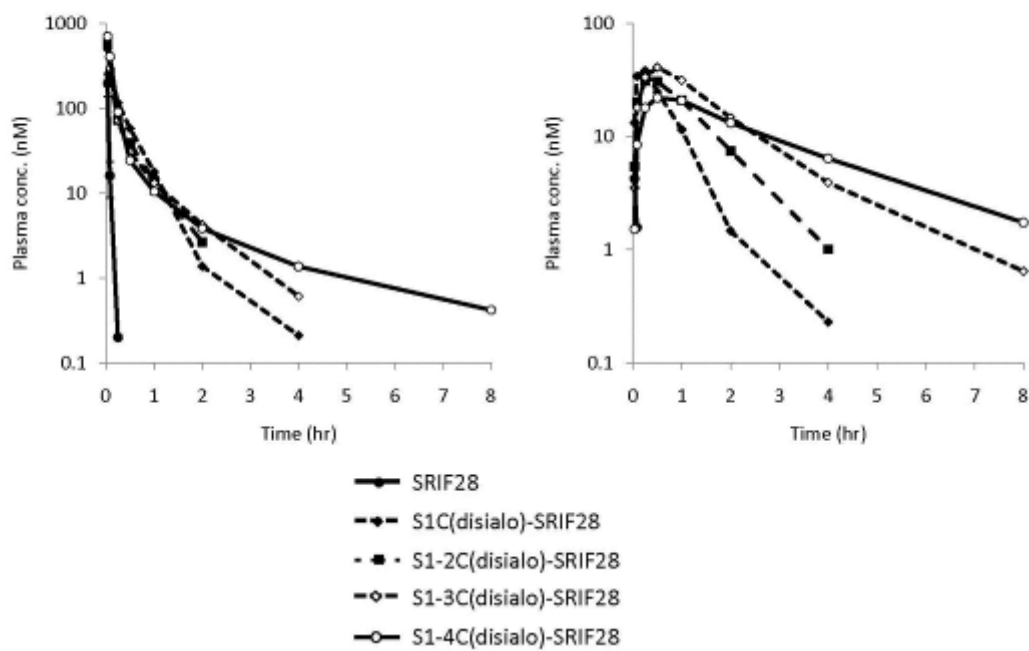
[Figure 14]



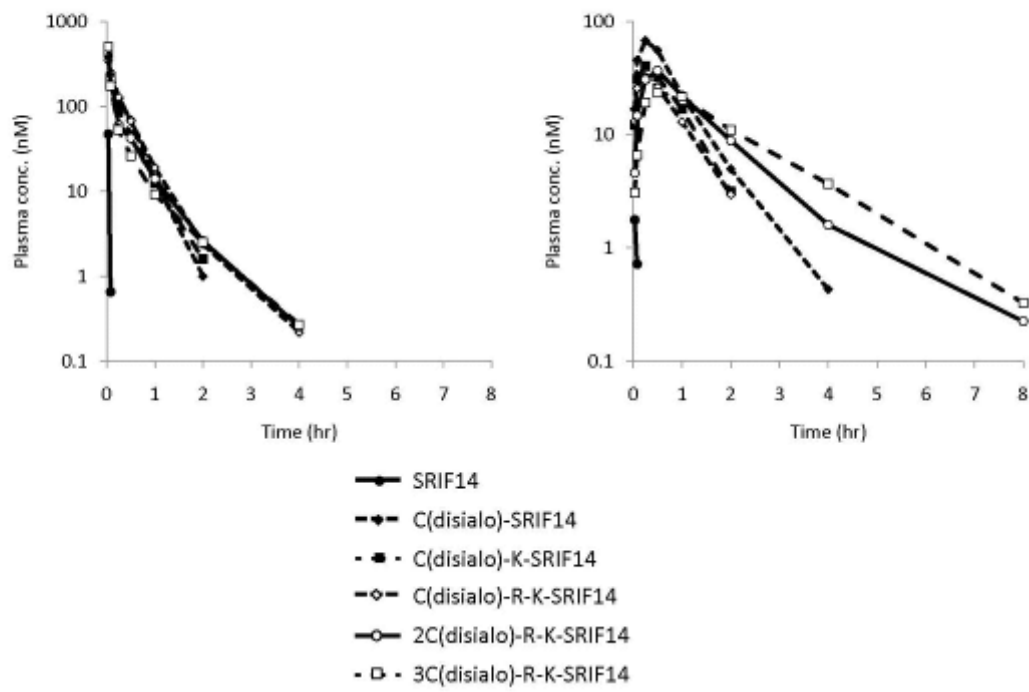
[Figure 15]



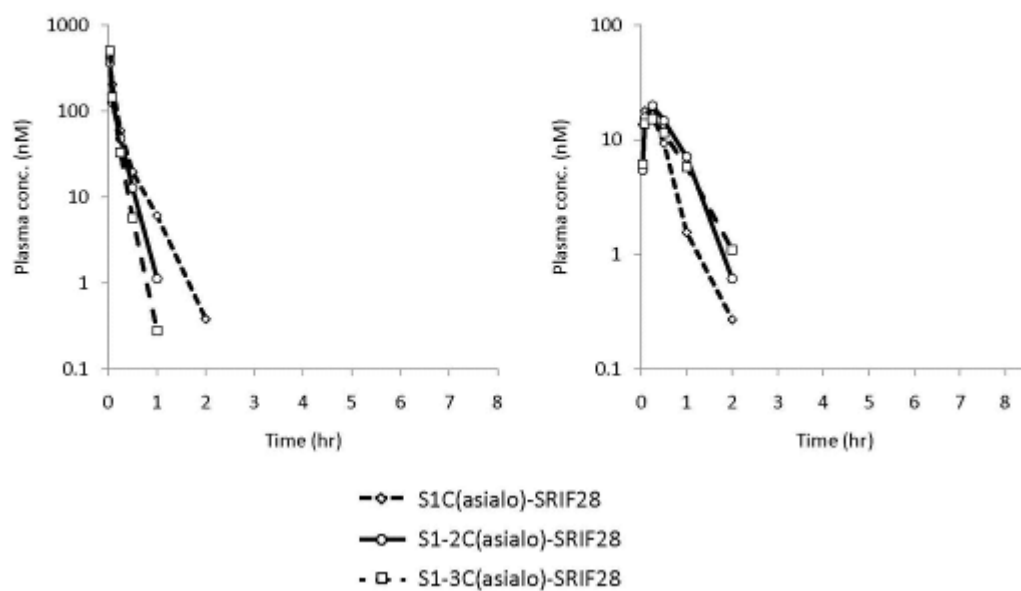
[Figure 16]



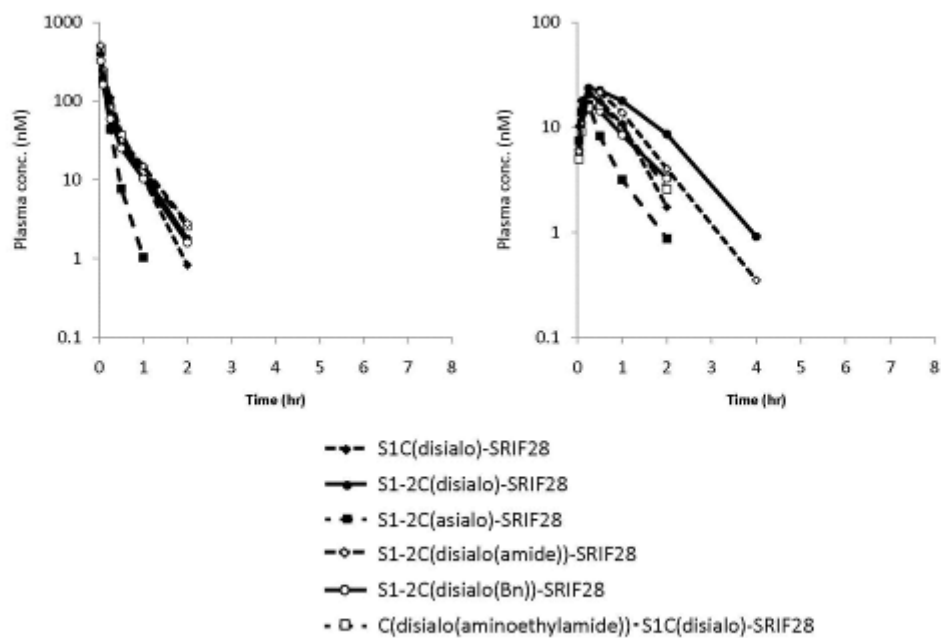
[Figure 17]



[Figure 18]



[Figure 19]



[Figure 20]

