

Fig. 1

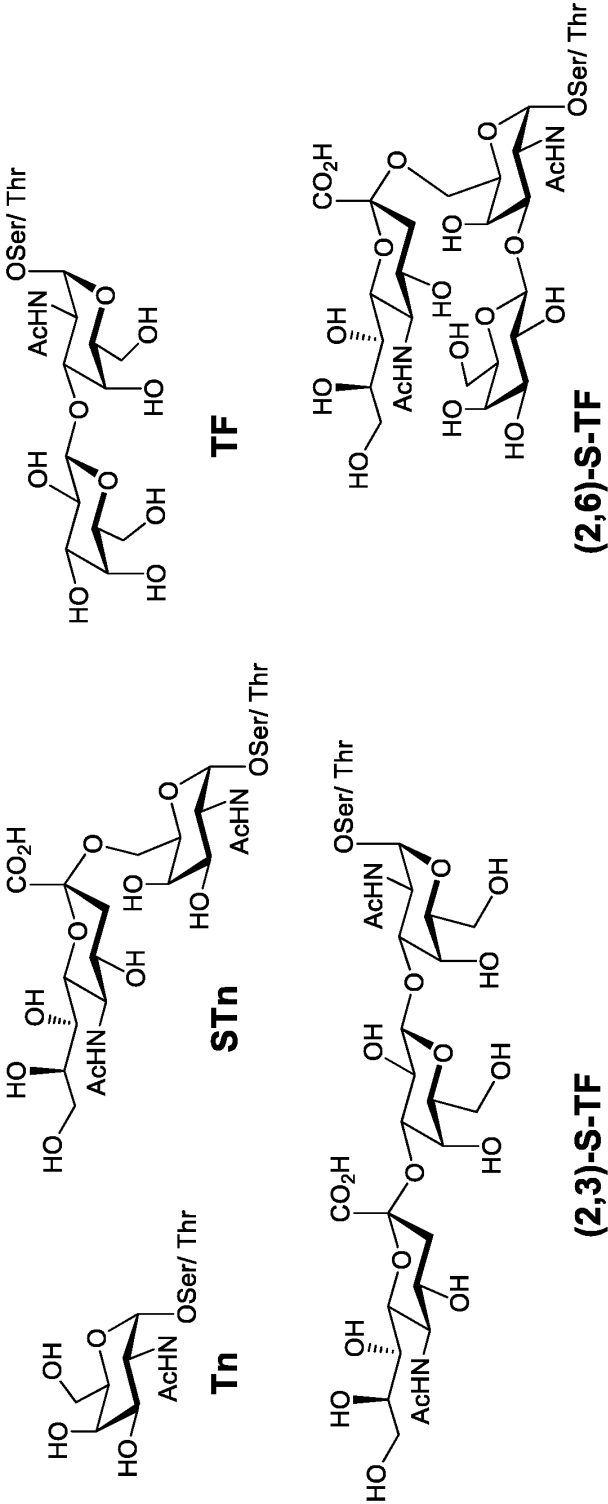
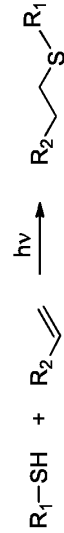


Fig. 2

Photolytic thiol-ene "click chemistry"



R₁ = Cysteine residues on T-cell epitope (ex. Tetanus toxoid)
R₂ = Carbohydrate antigens serving as B-cell epitopes

Fig. 3

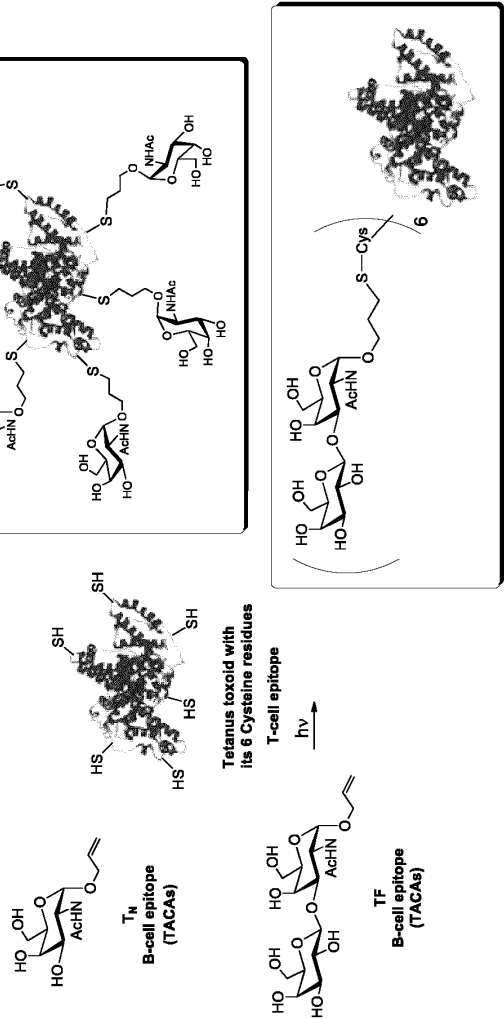


Fig. 4

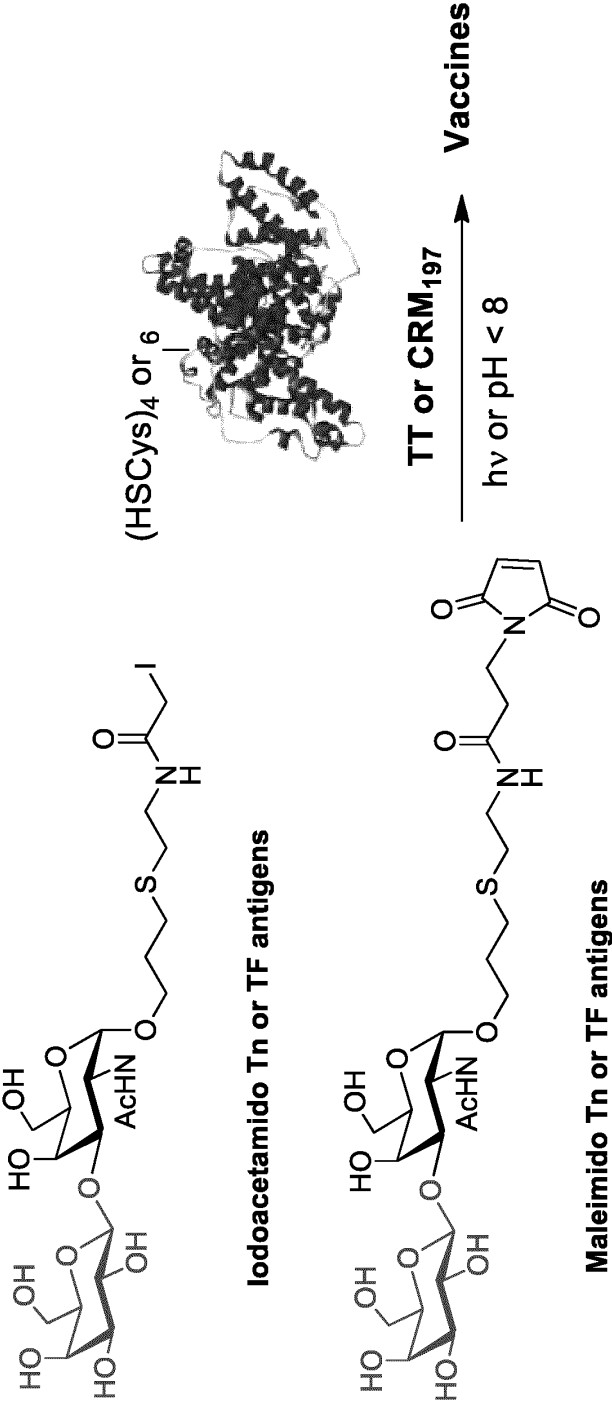
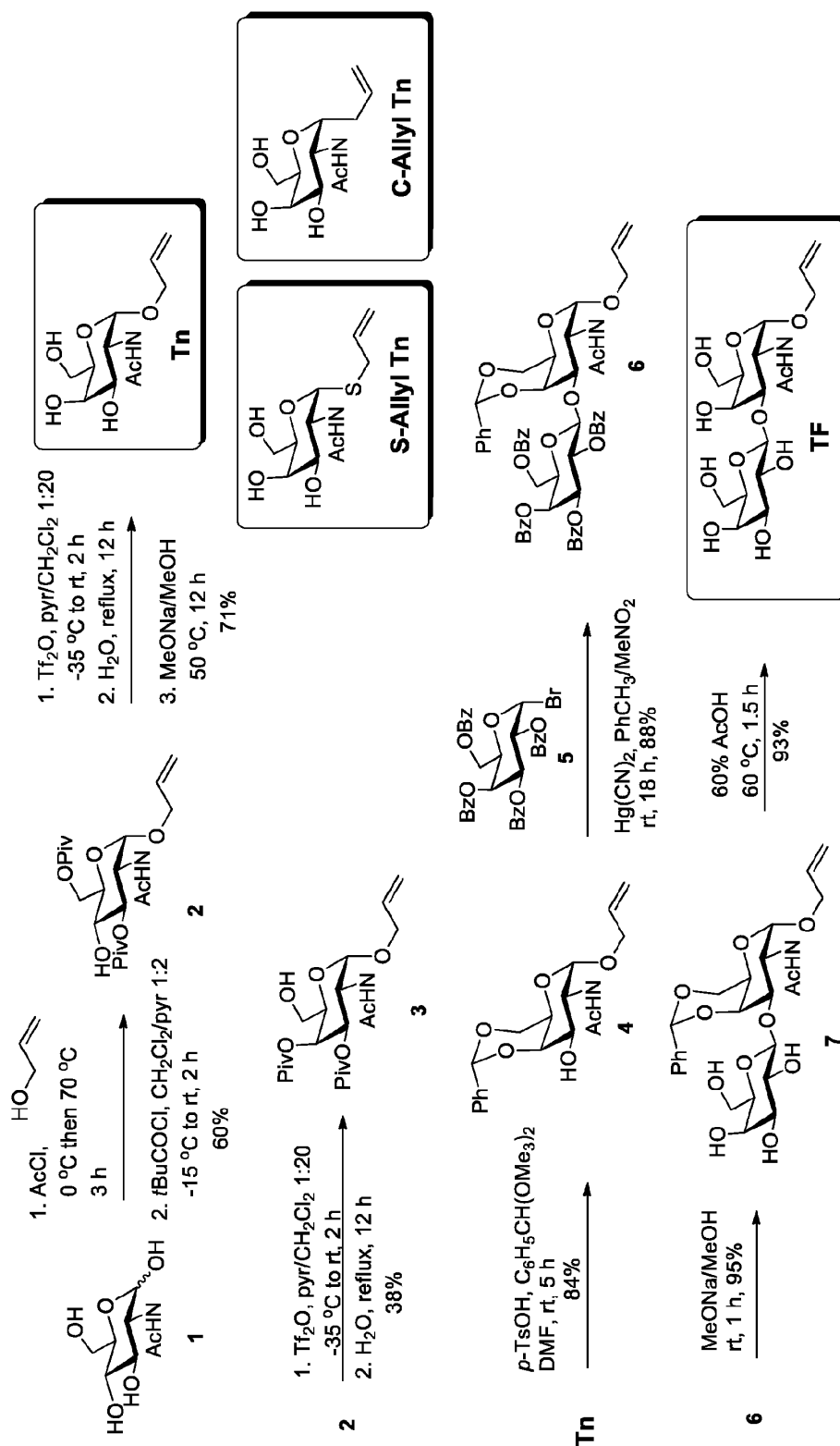


Fig. 5



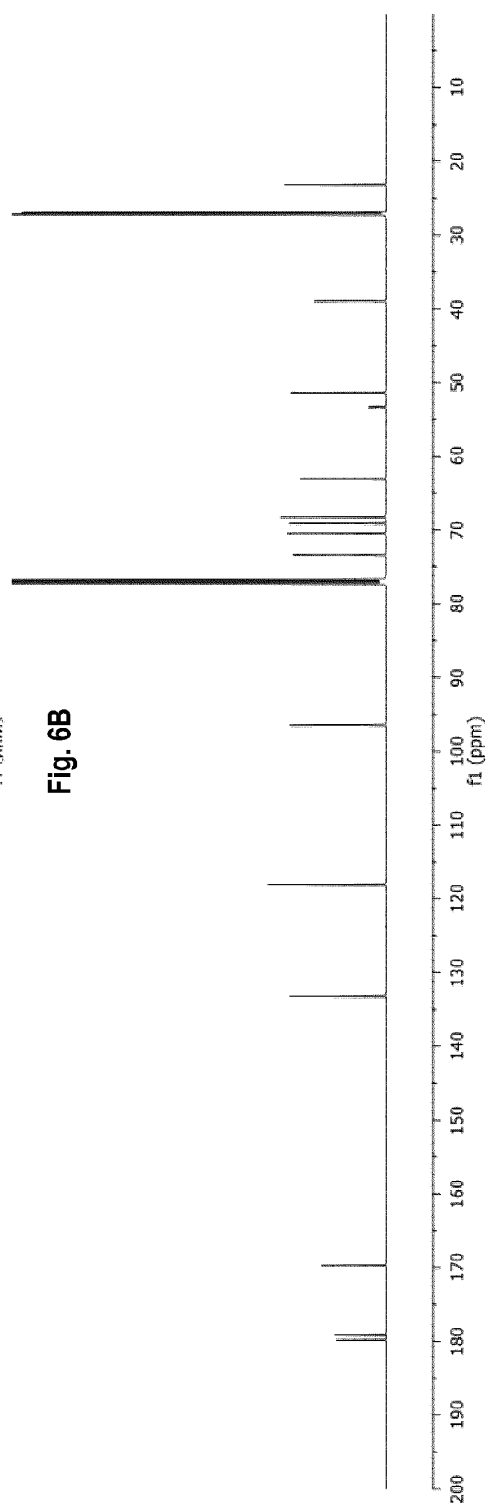
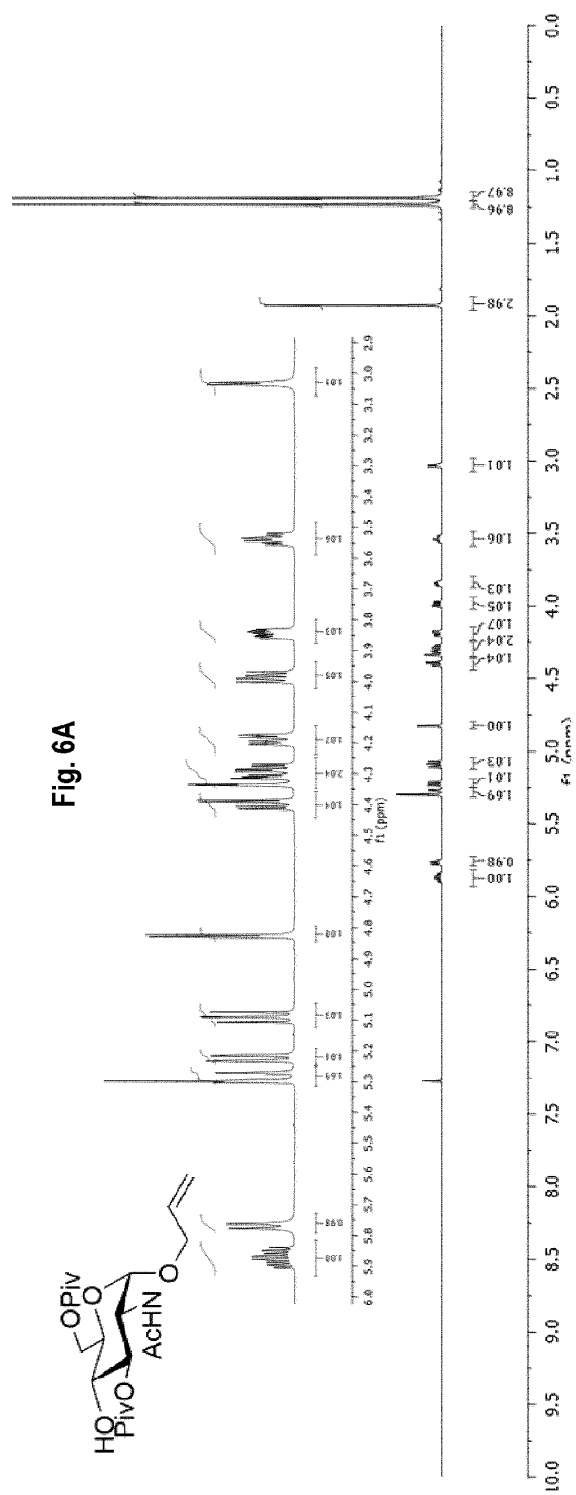


Fig. 6C

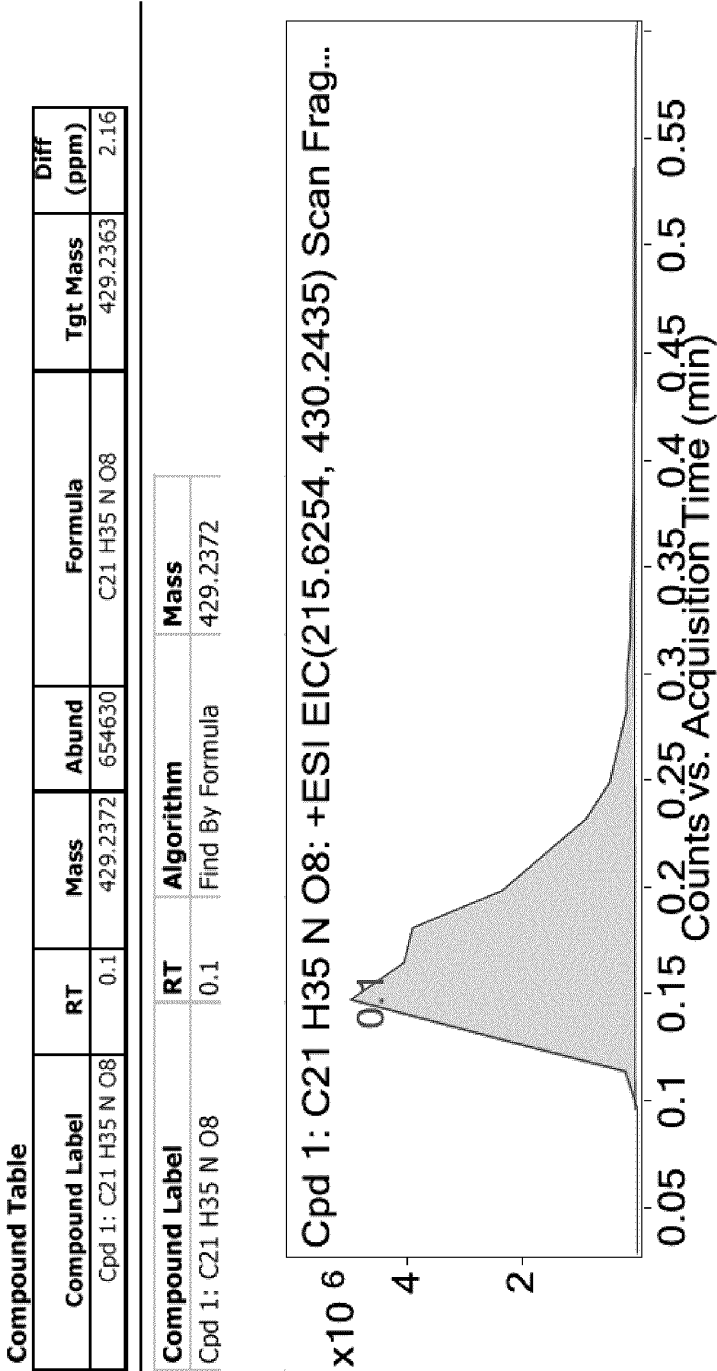
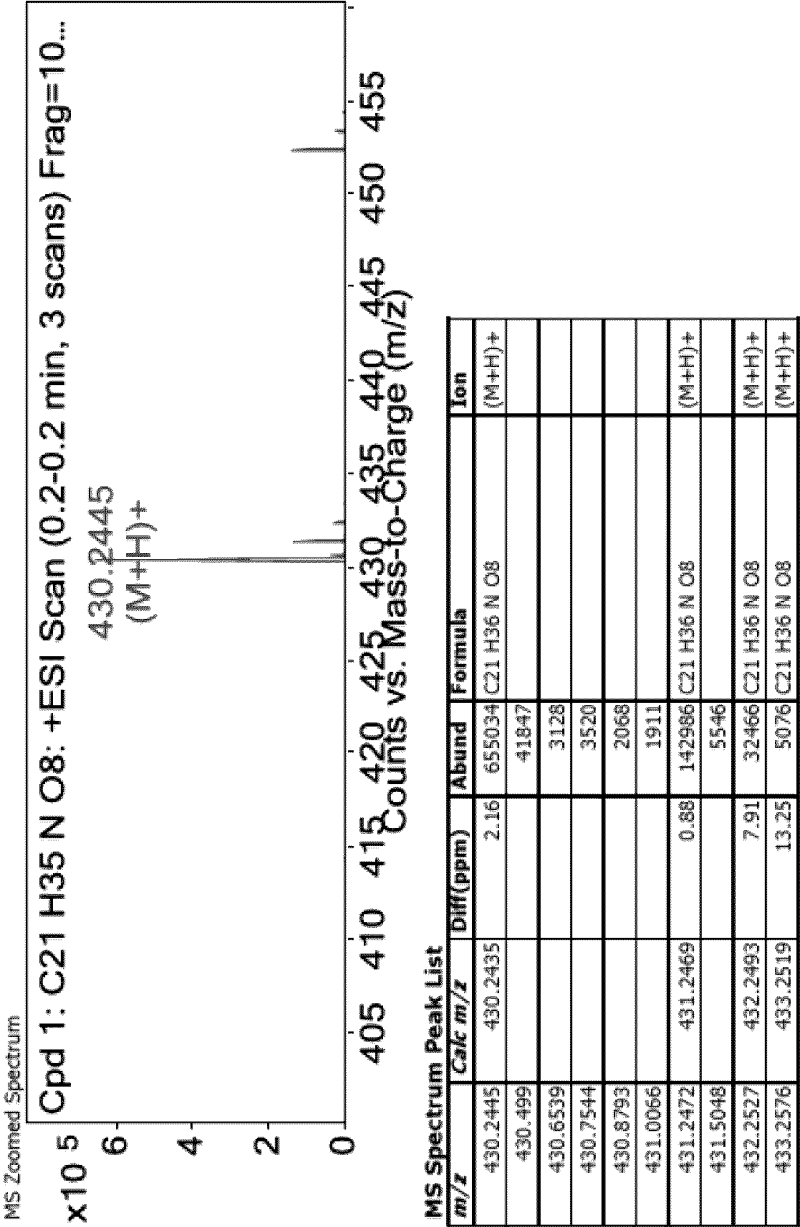


Fig. 6D



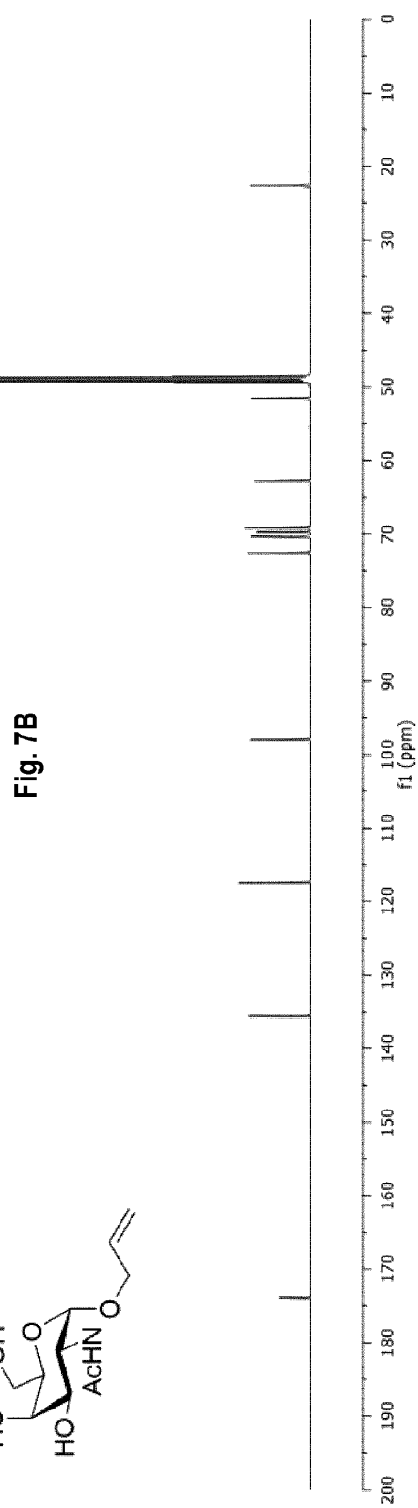
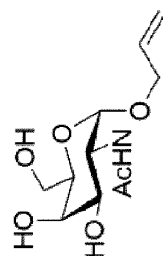
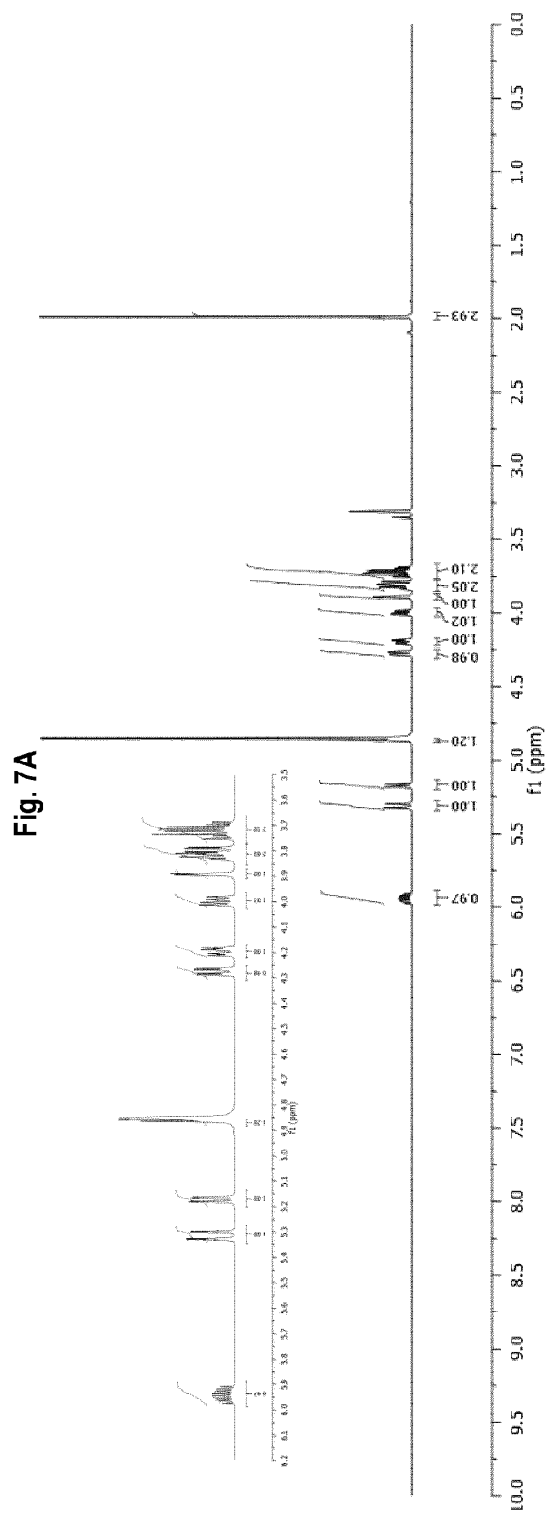


Fig. 7C

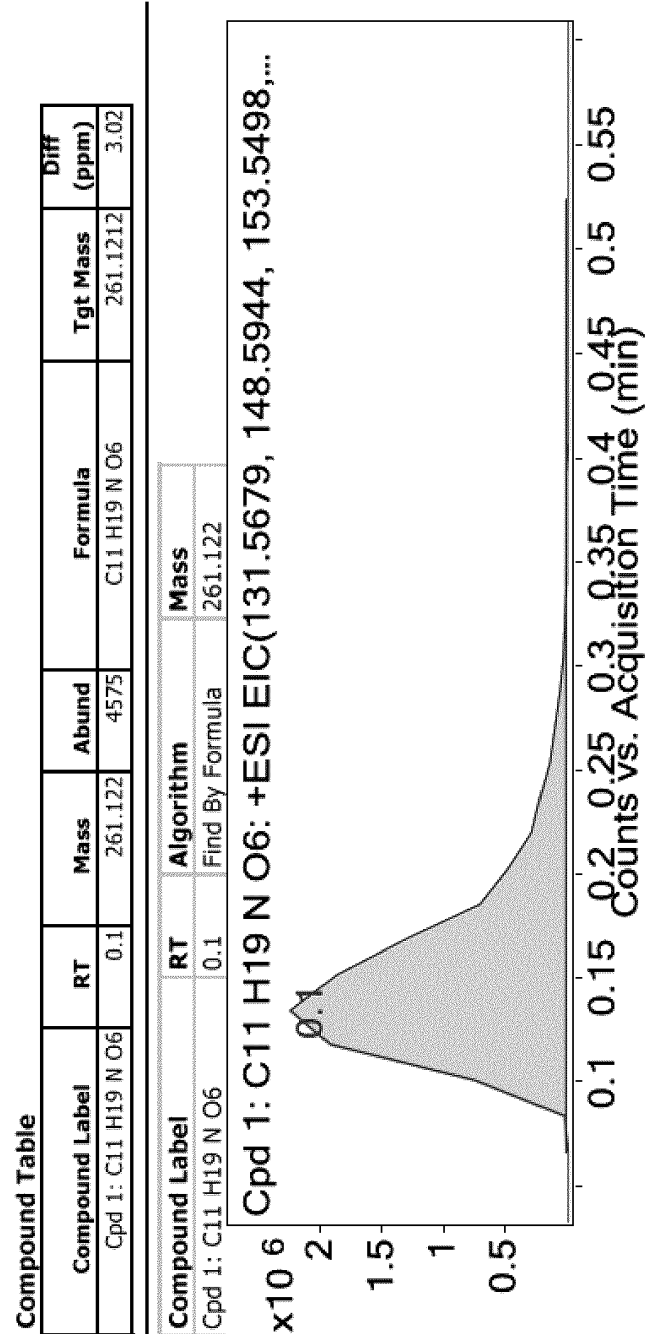


Fig. 7D

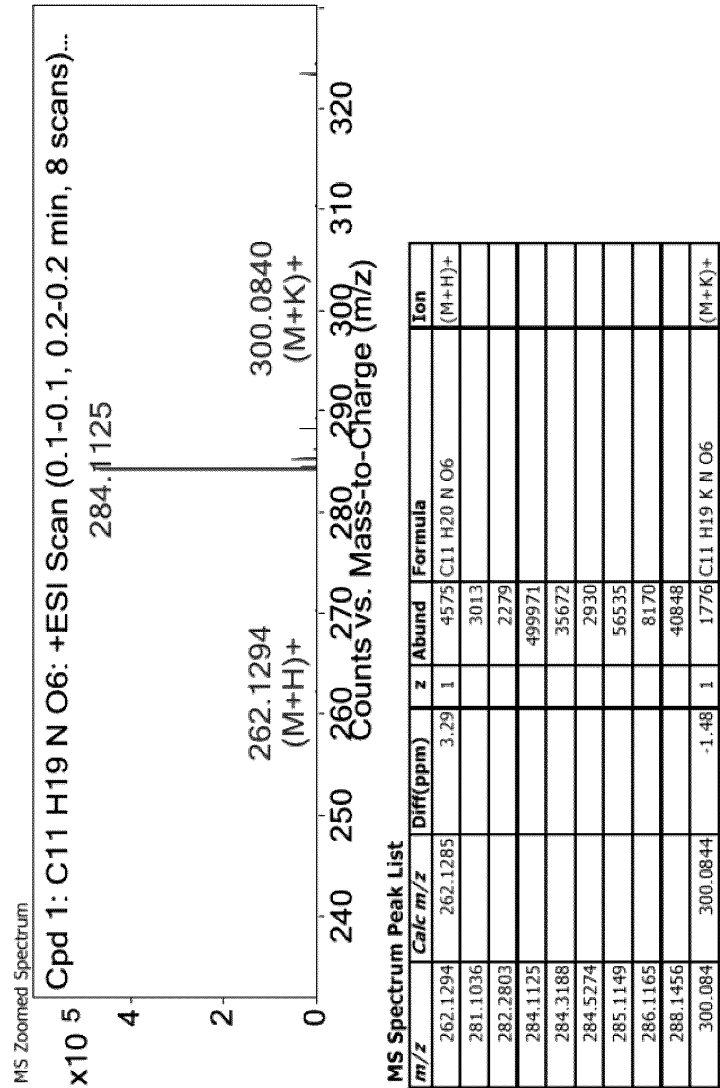


Fig. 8A

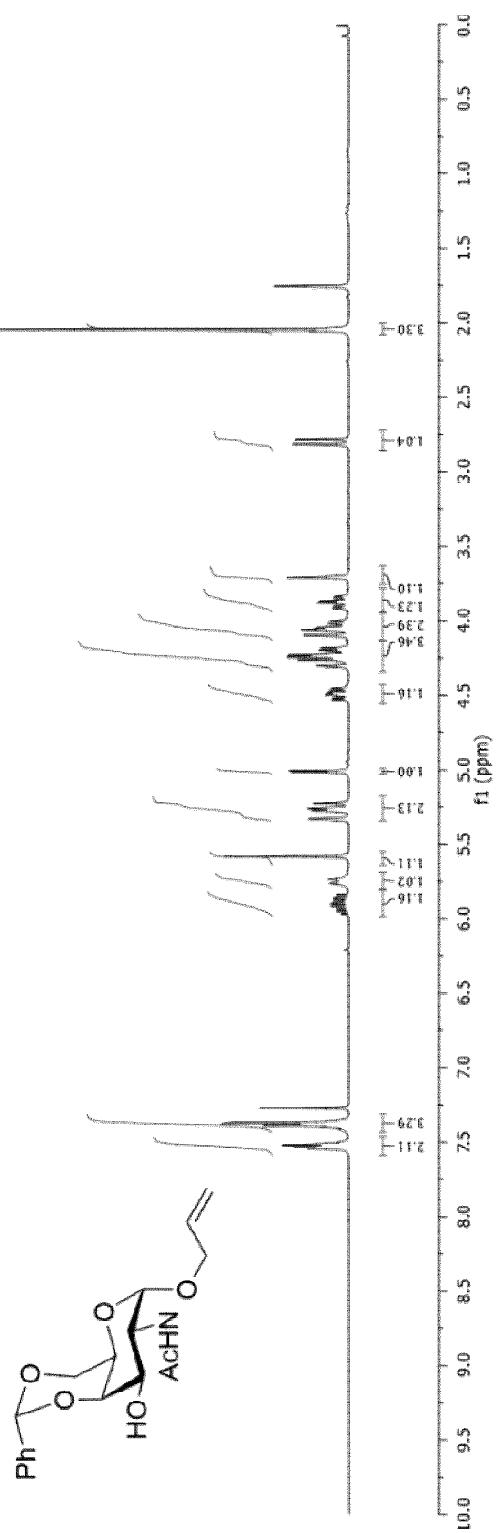


Fig. 8B

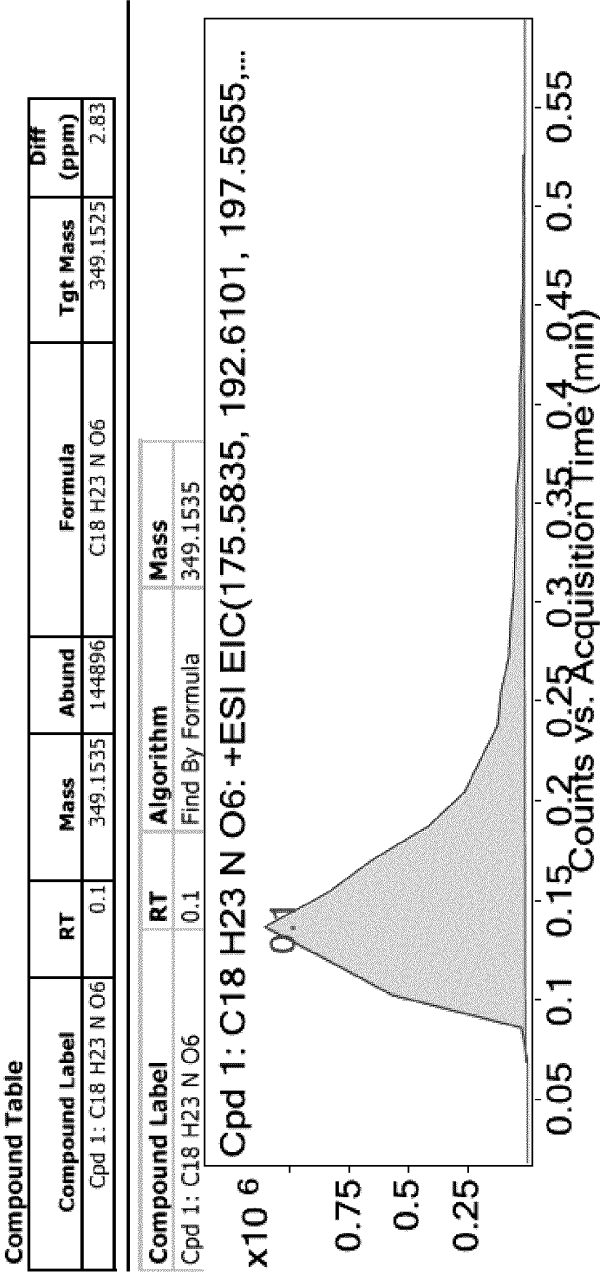


Fig. 8C

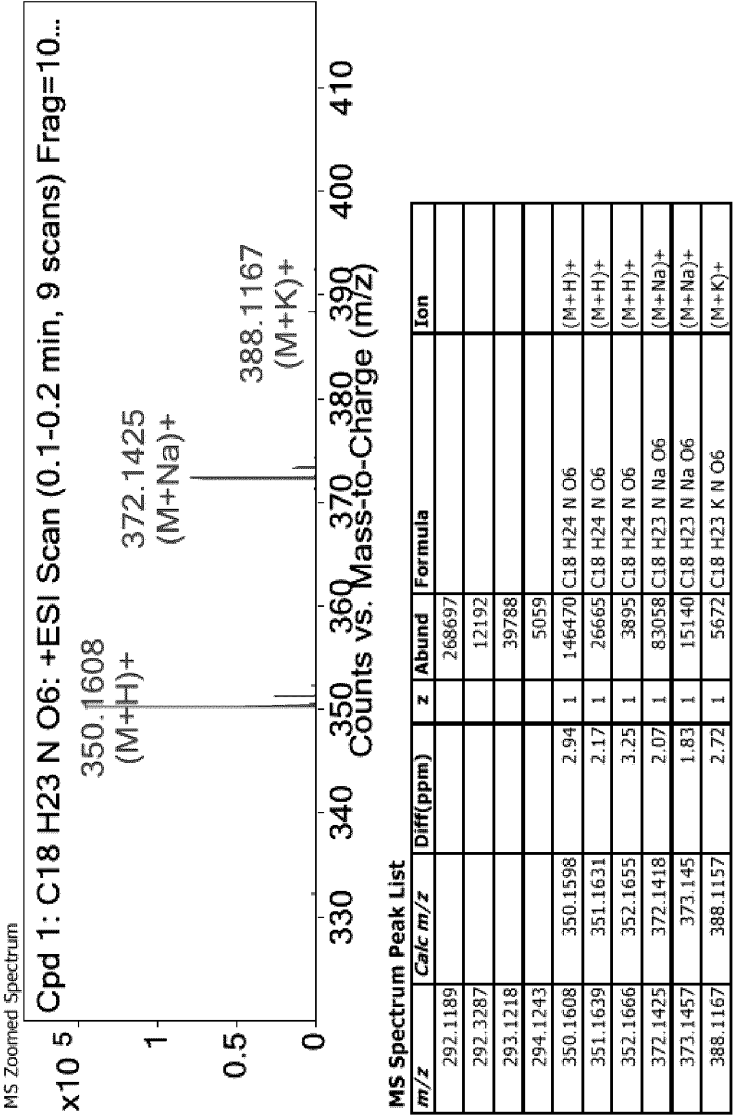


Fig. 9A

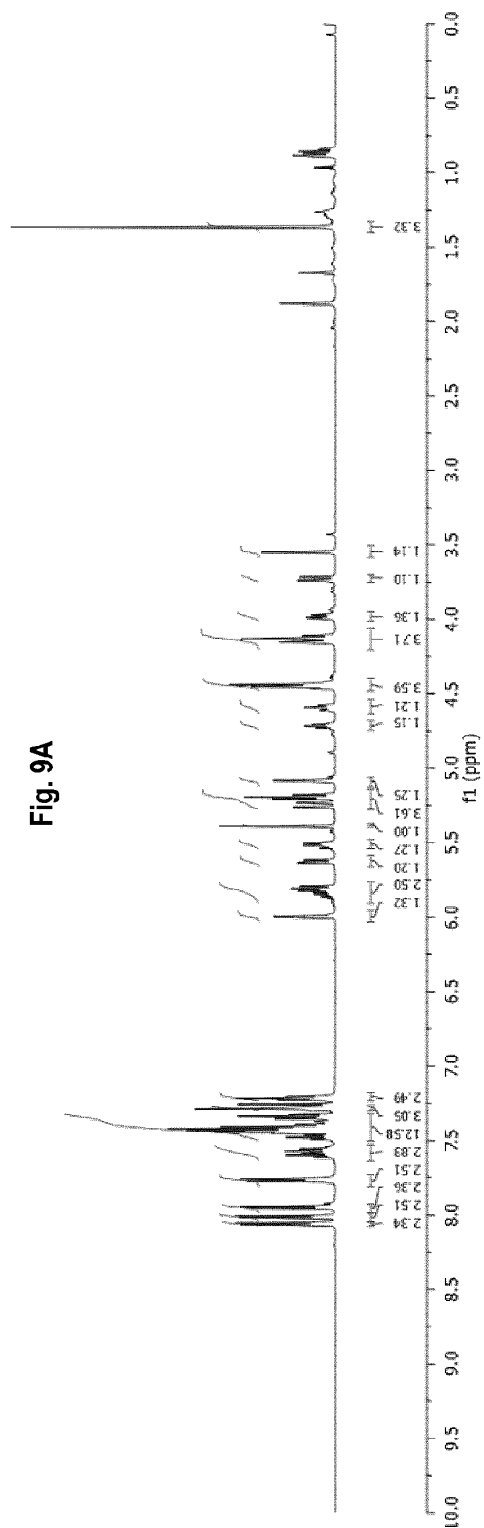


Fig. 9B

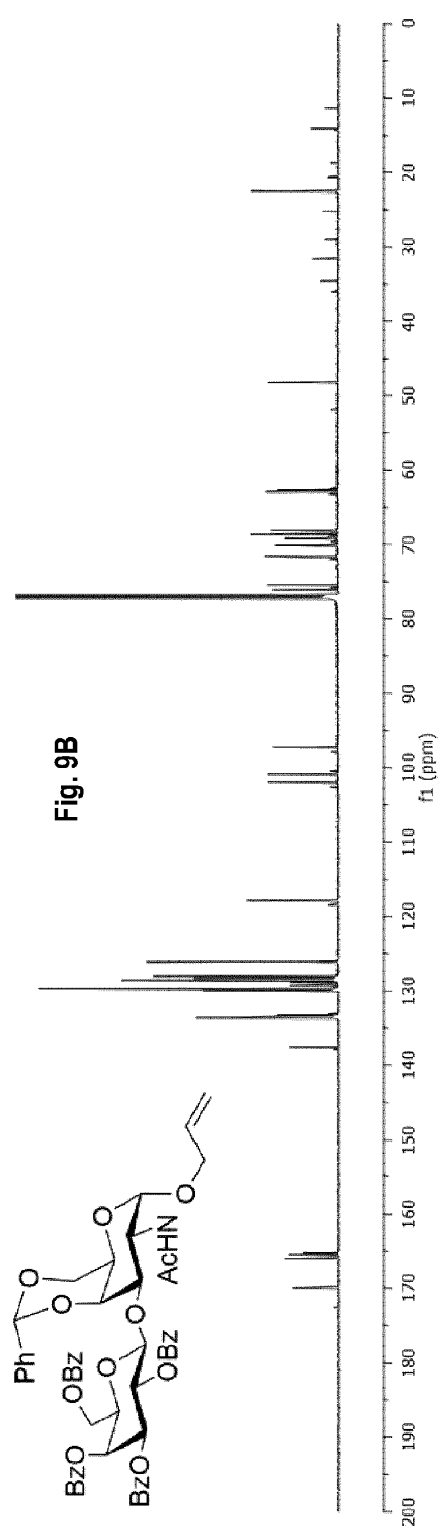


Fig. 9C

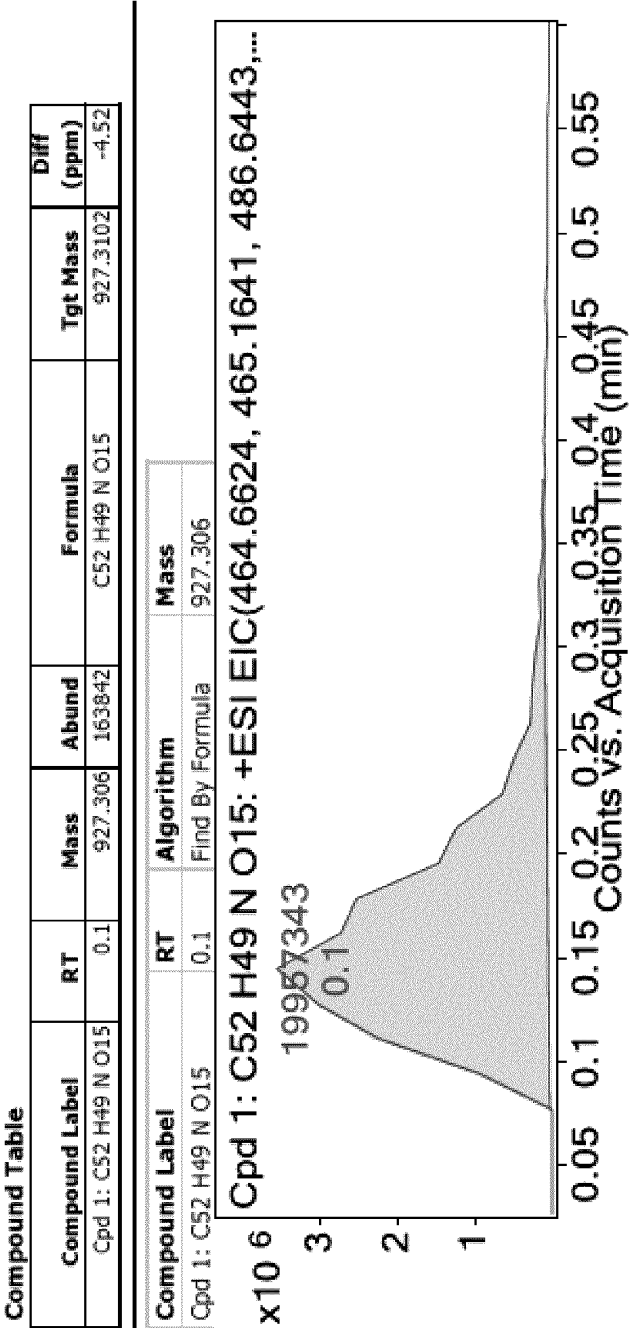


Fig. 9D

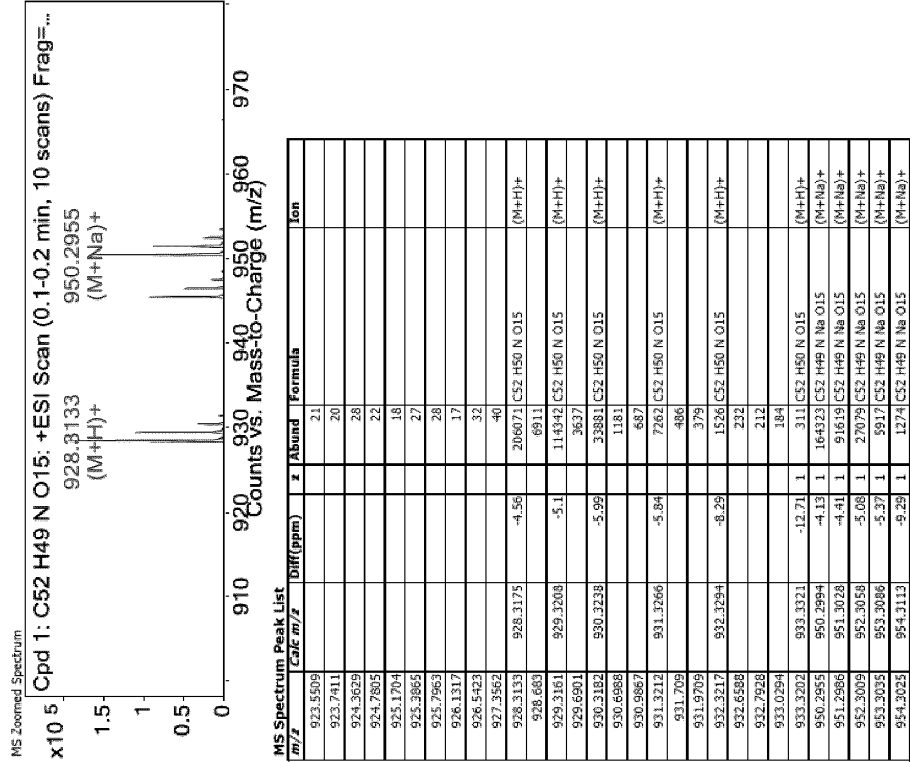


Fig. 10A

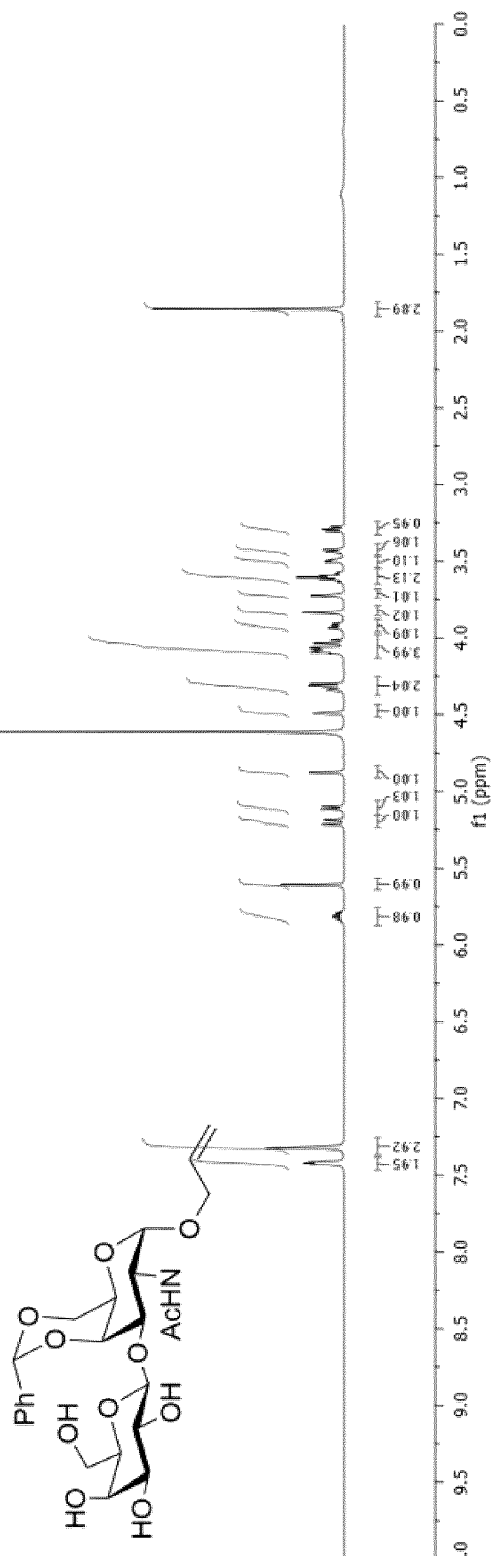


Fig. 10B

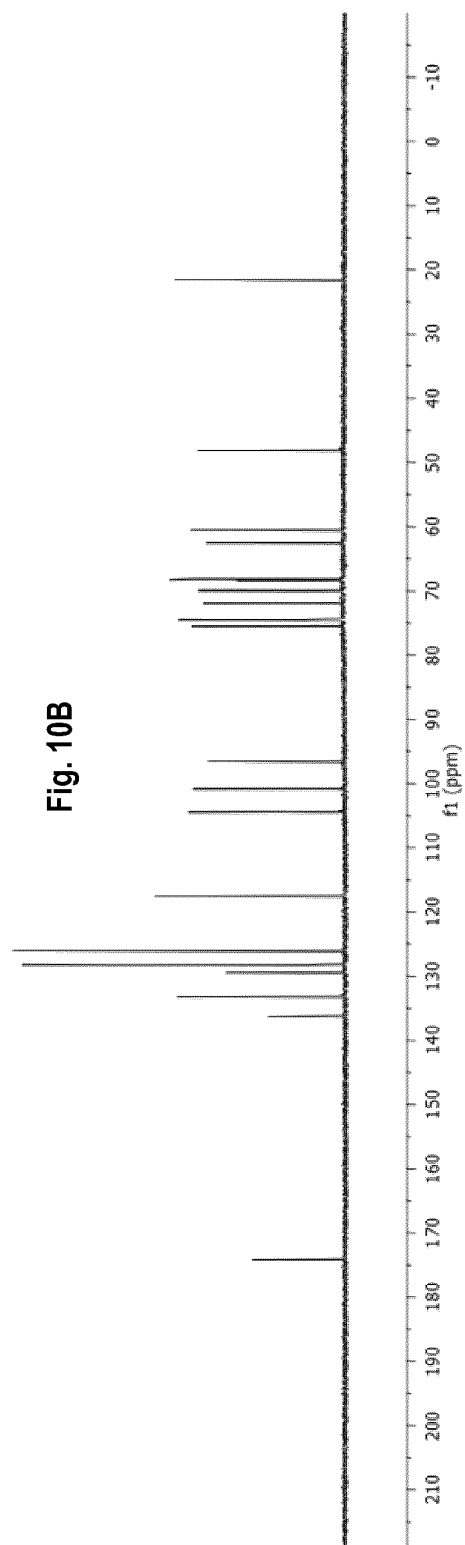


Fig. 10C

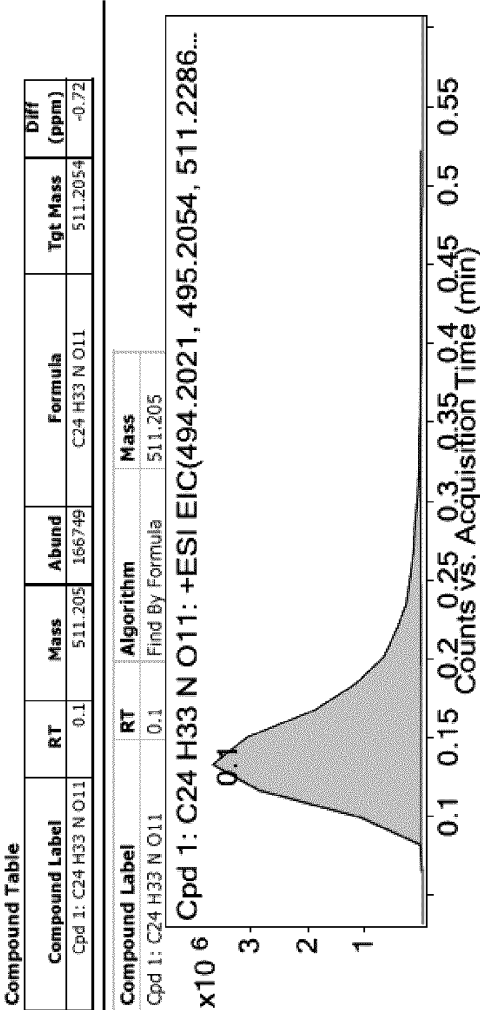
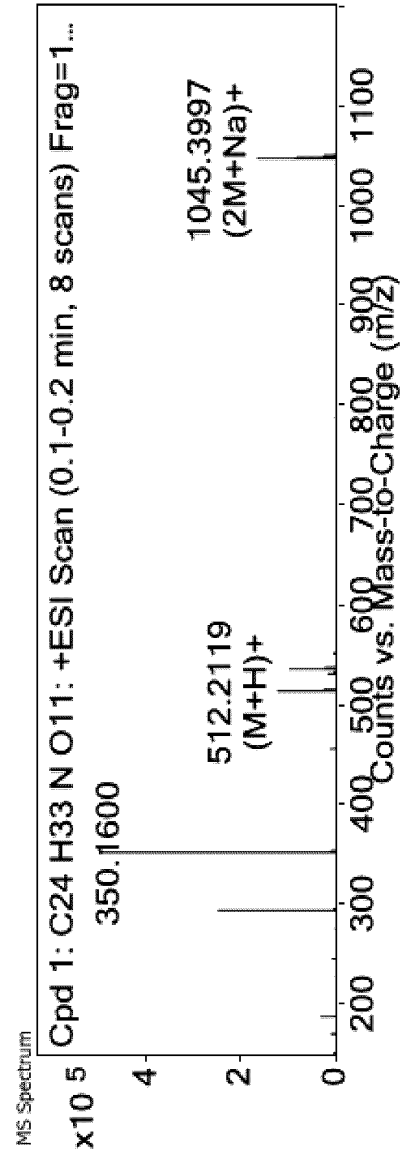


Fig. 10D



MS Spectrum Peak List

m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
350.16				495714		
351.1626				91586		
512.2119	512.2126	-1.39	1	126315	C24 H34 N O11	(M+H)+
529.2383	529.2392	-1.64	1	20391	C24 H37 N2 O11	(M+NH4)+
534.1943	534.1946	-0.47	1	103350	C24 H33 N Na O11	(M+Na)+
550.1667	550.1685	-3.25	1	6050	C24 H33 K N O11	(M+K)+
1023.4185	1023.418	0.53	1	295	C48 H67 N2 O22	(2M+H)+
1040.4393	1040.4445	-5.01	1	1591	C48 H70 N3 O22	(2M+NH4)+
1045.3997	1045.3999	-0.25	1	171974	C48 H66 N2 Na O22	(2M+Na)+
1061.3716	1061.3739	-2.14	1	1026	C48 H66 K N2 O22	(2M+K)+

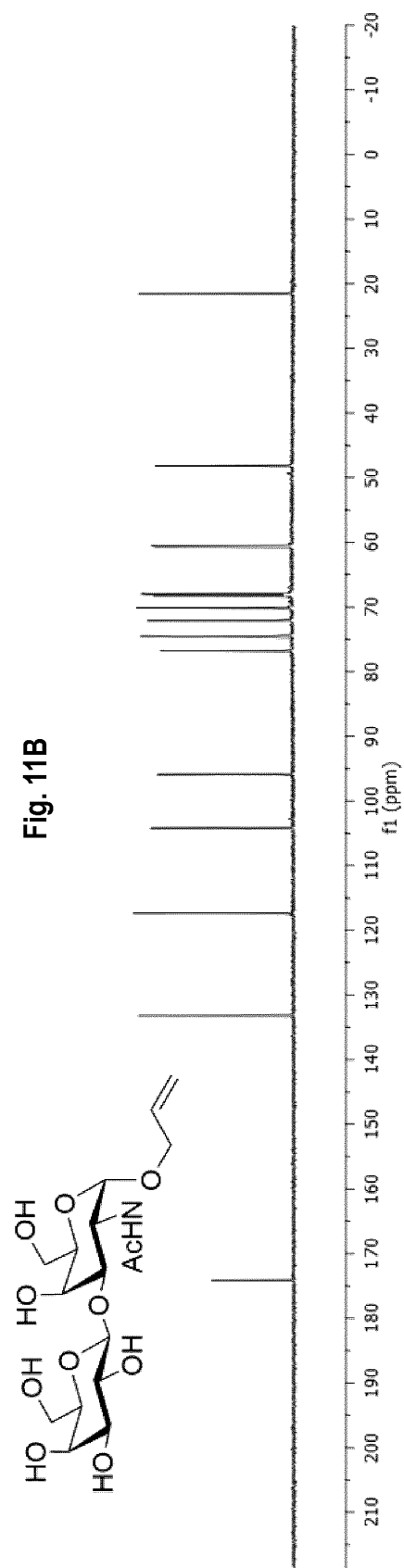
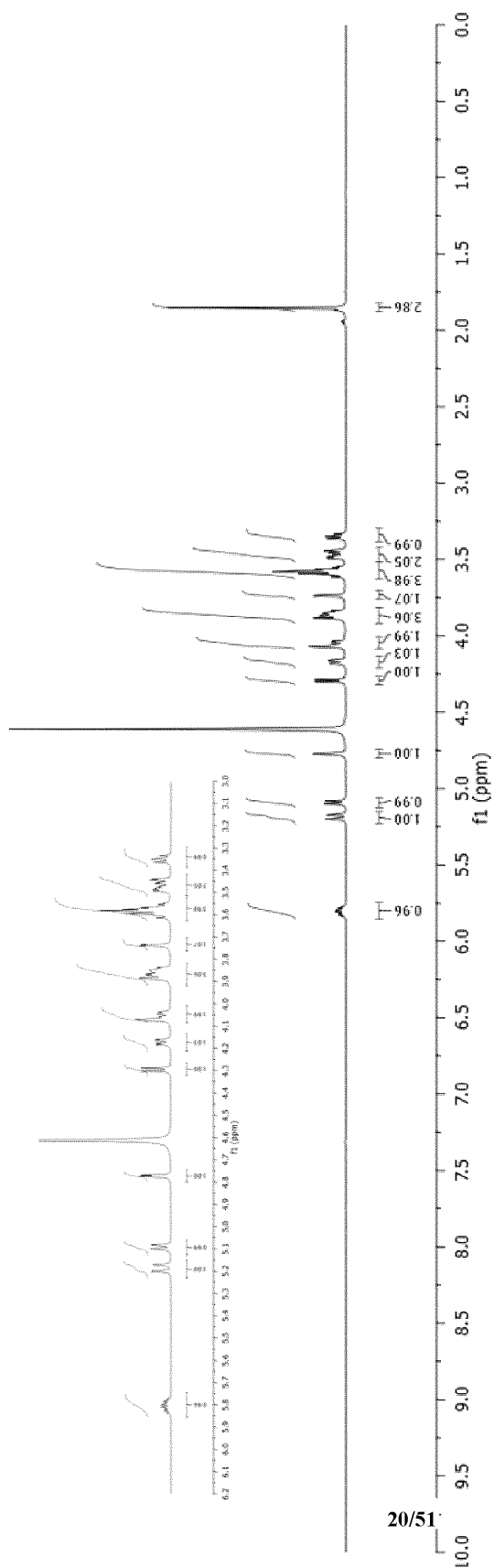


Fig. 11C

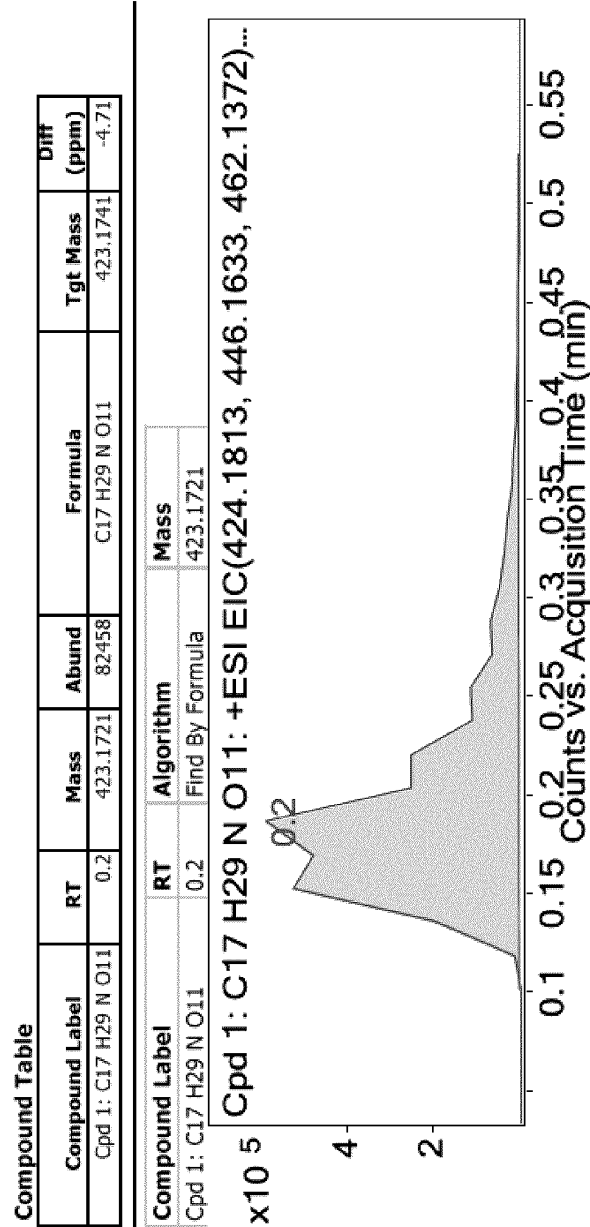


Fig. 11D

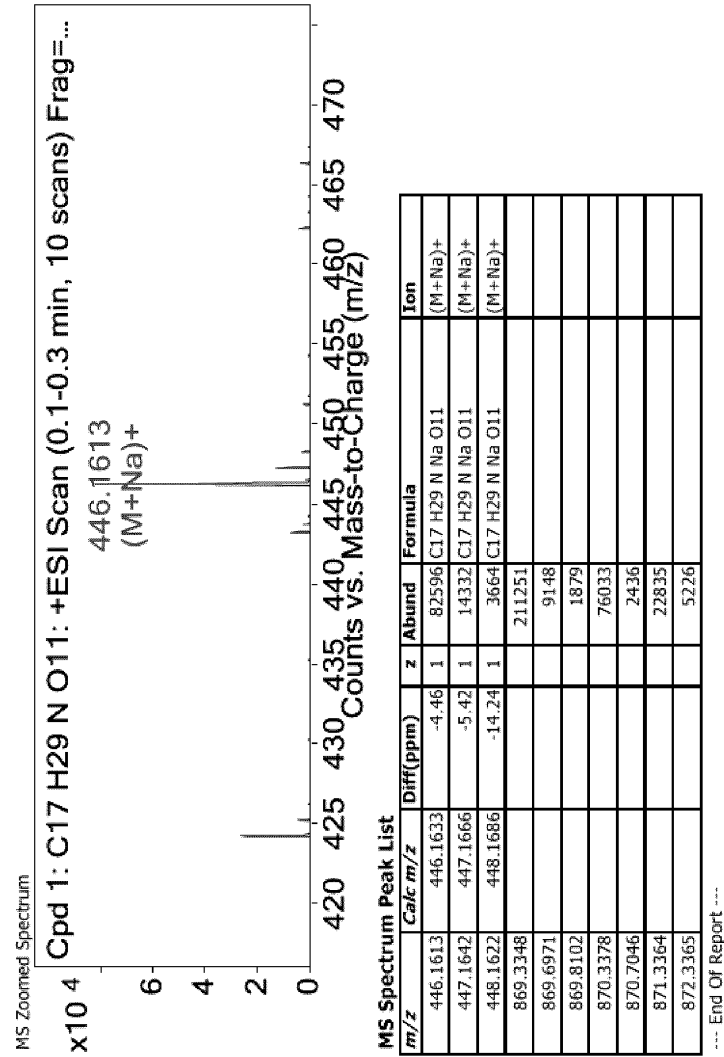
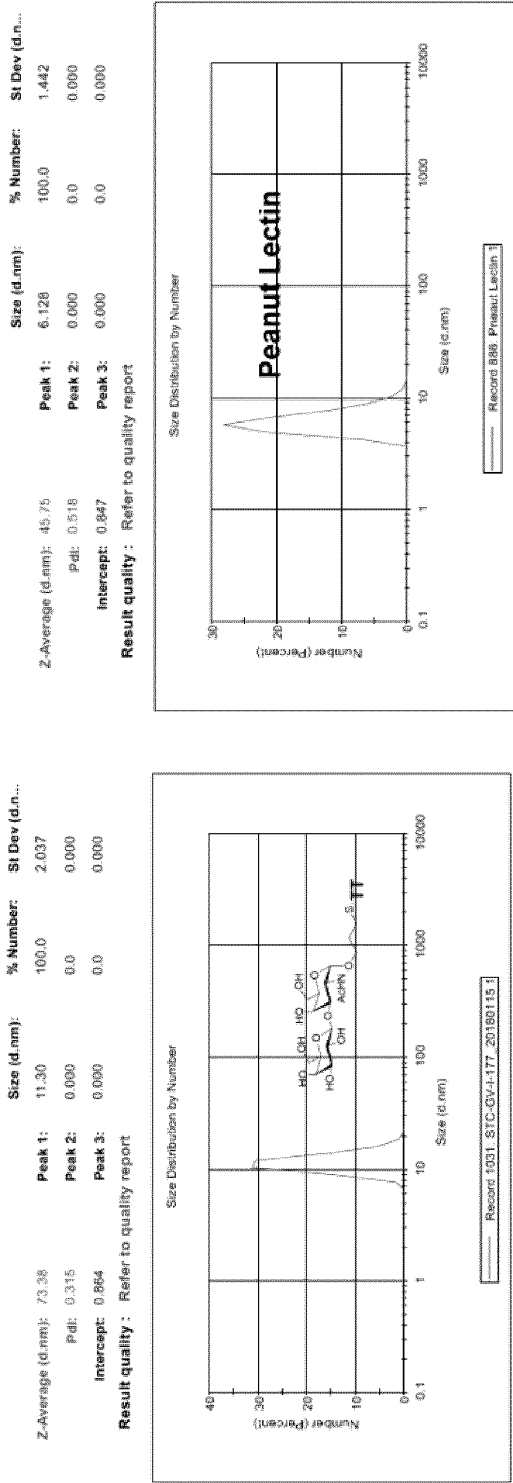


Fig. 12



Size Distribution by Number

Record 888: Peanut Lectin 3

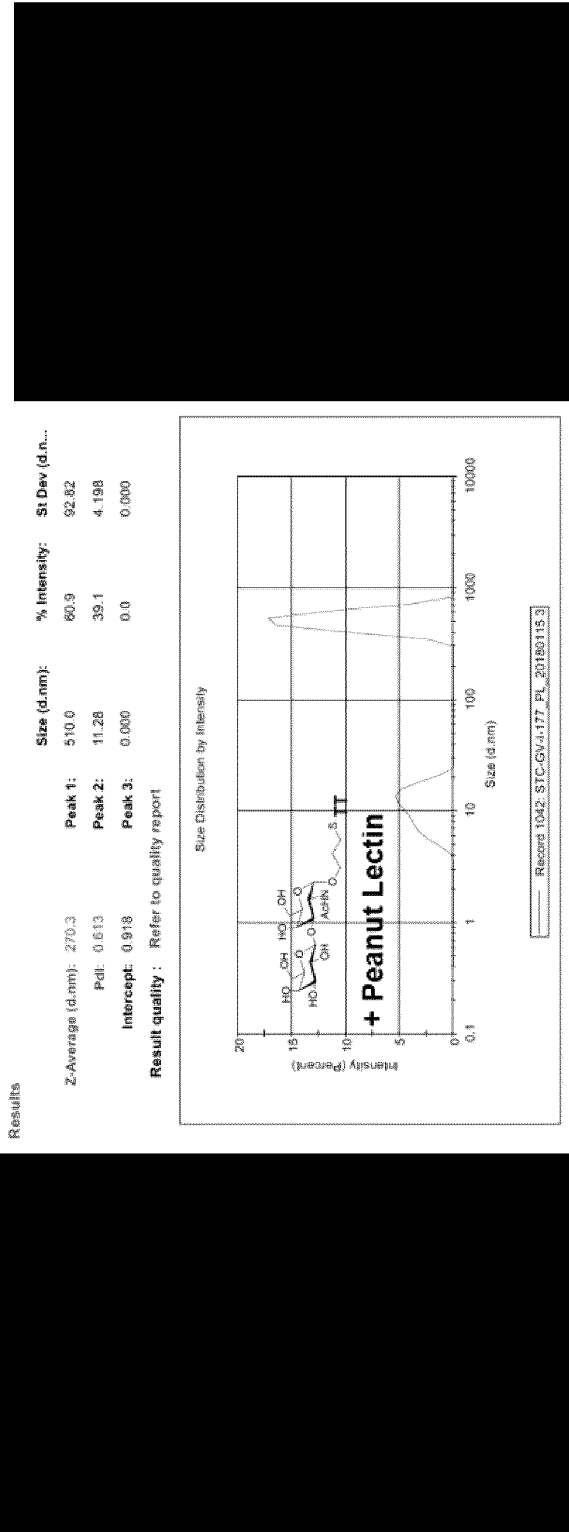


Fig. 13

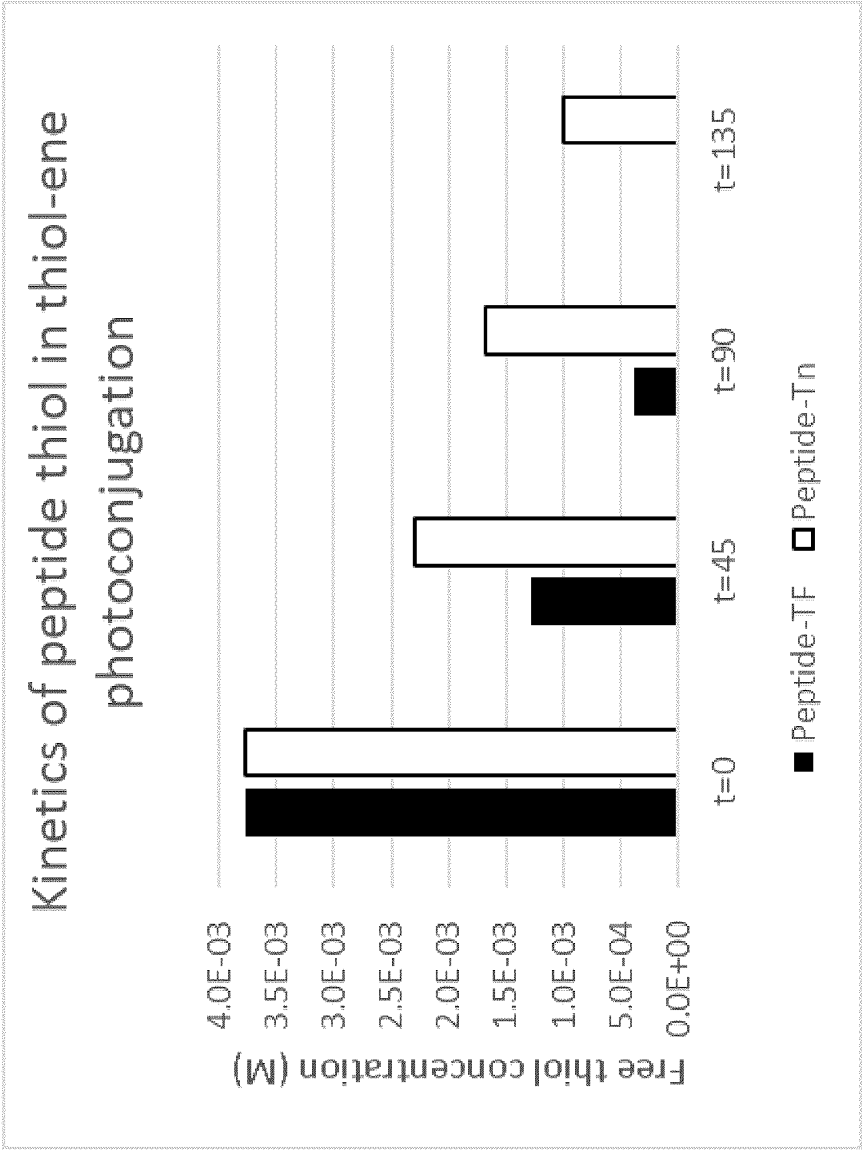


Fig. 14

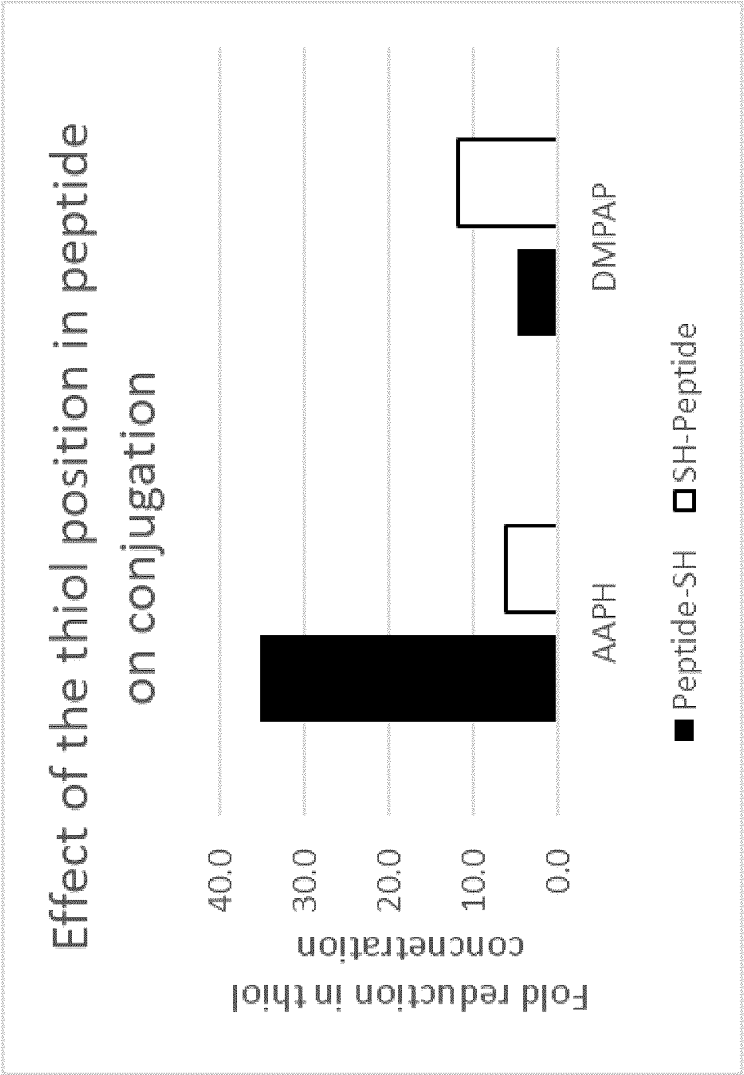


Fig. 15

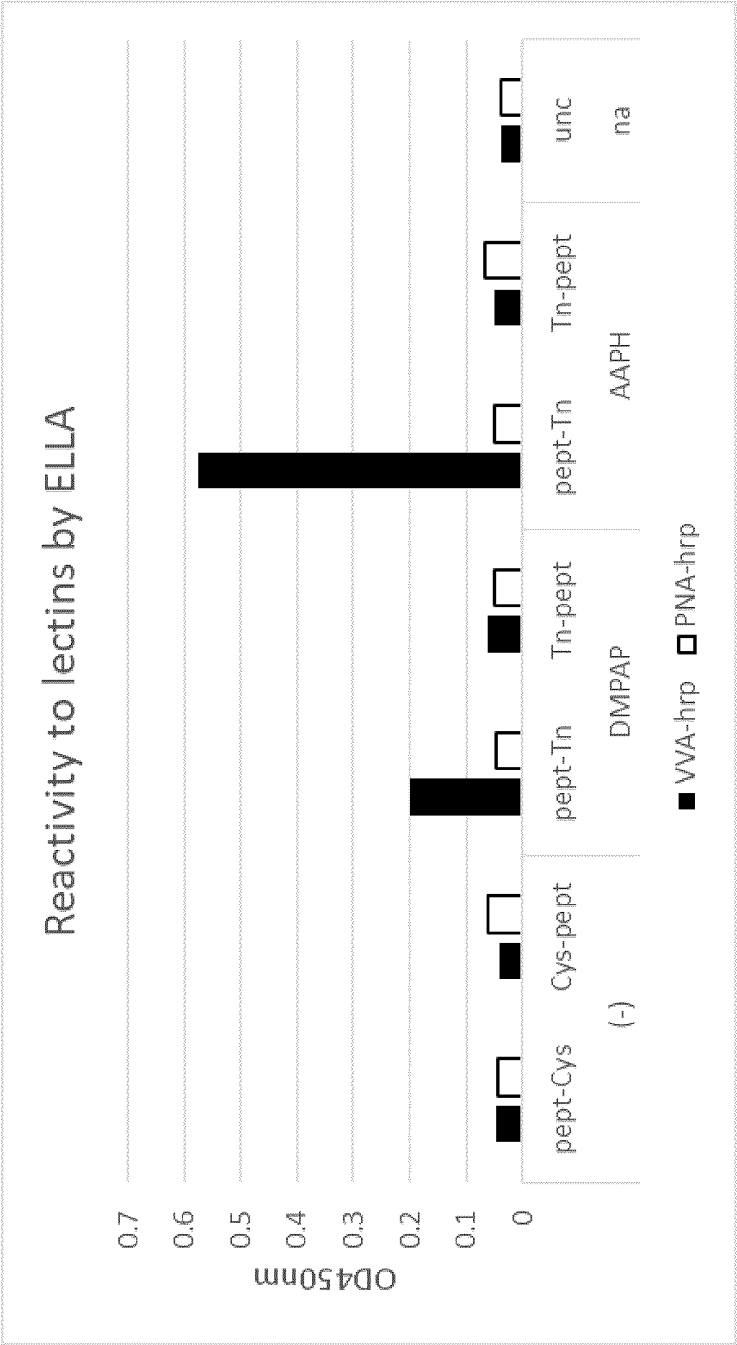


Fig. 16

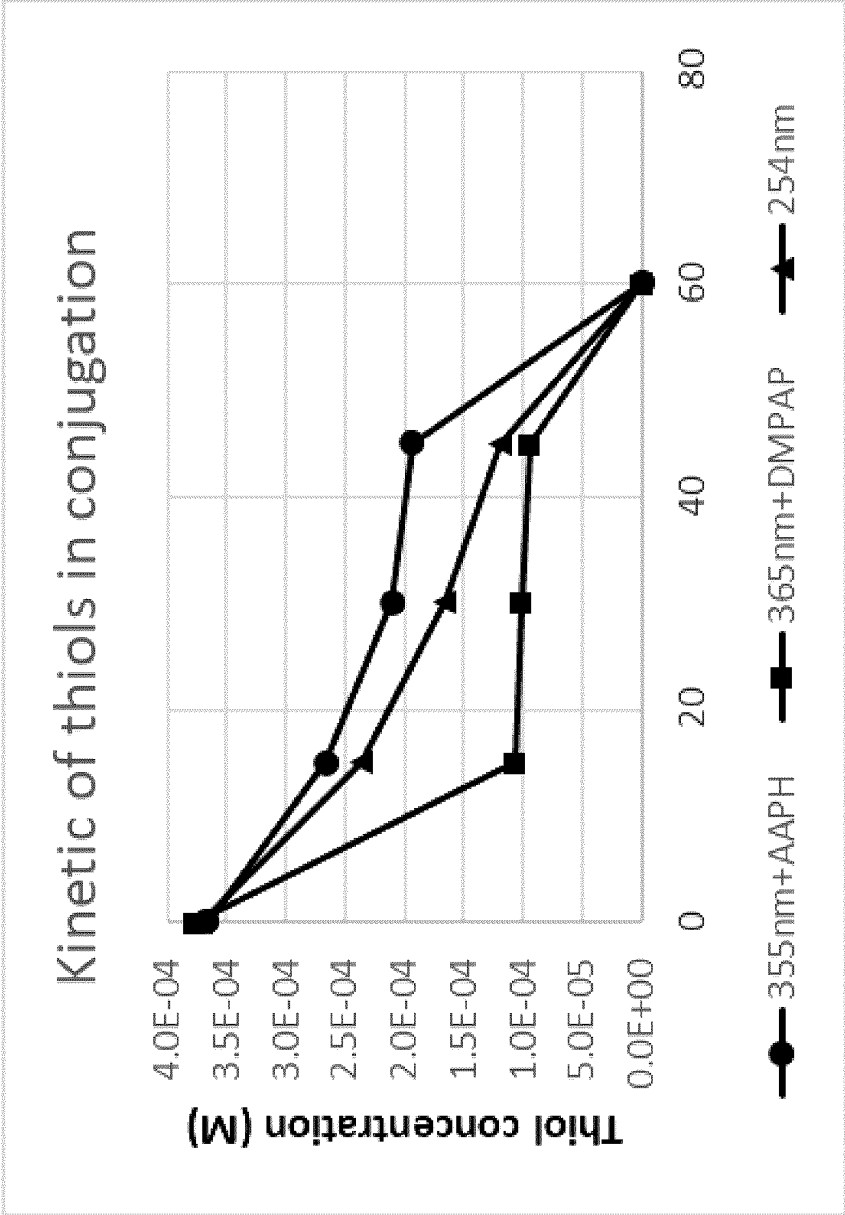


Fig. 17

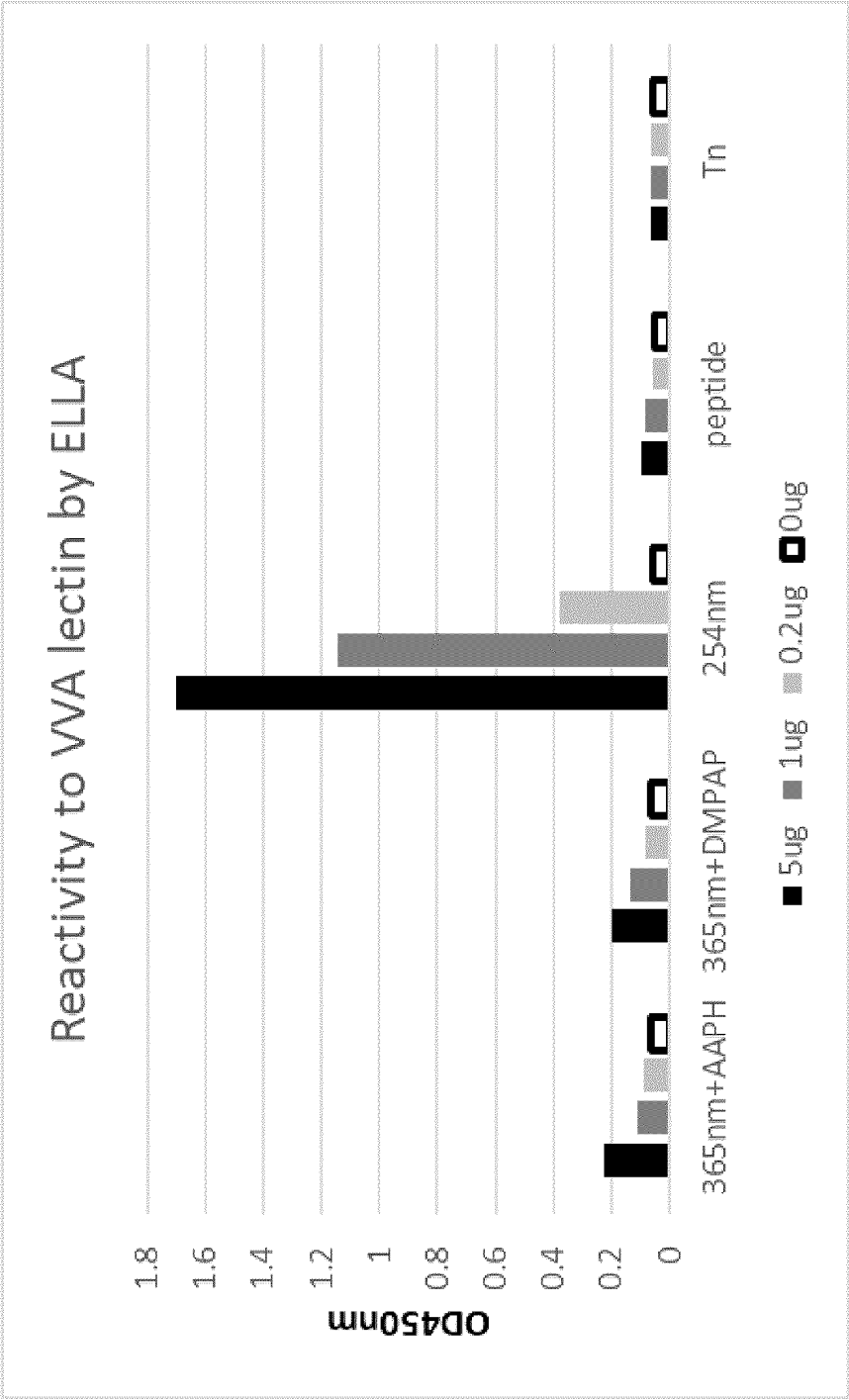


Fig. 18

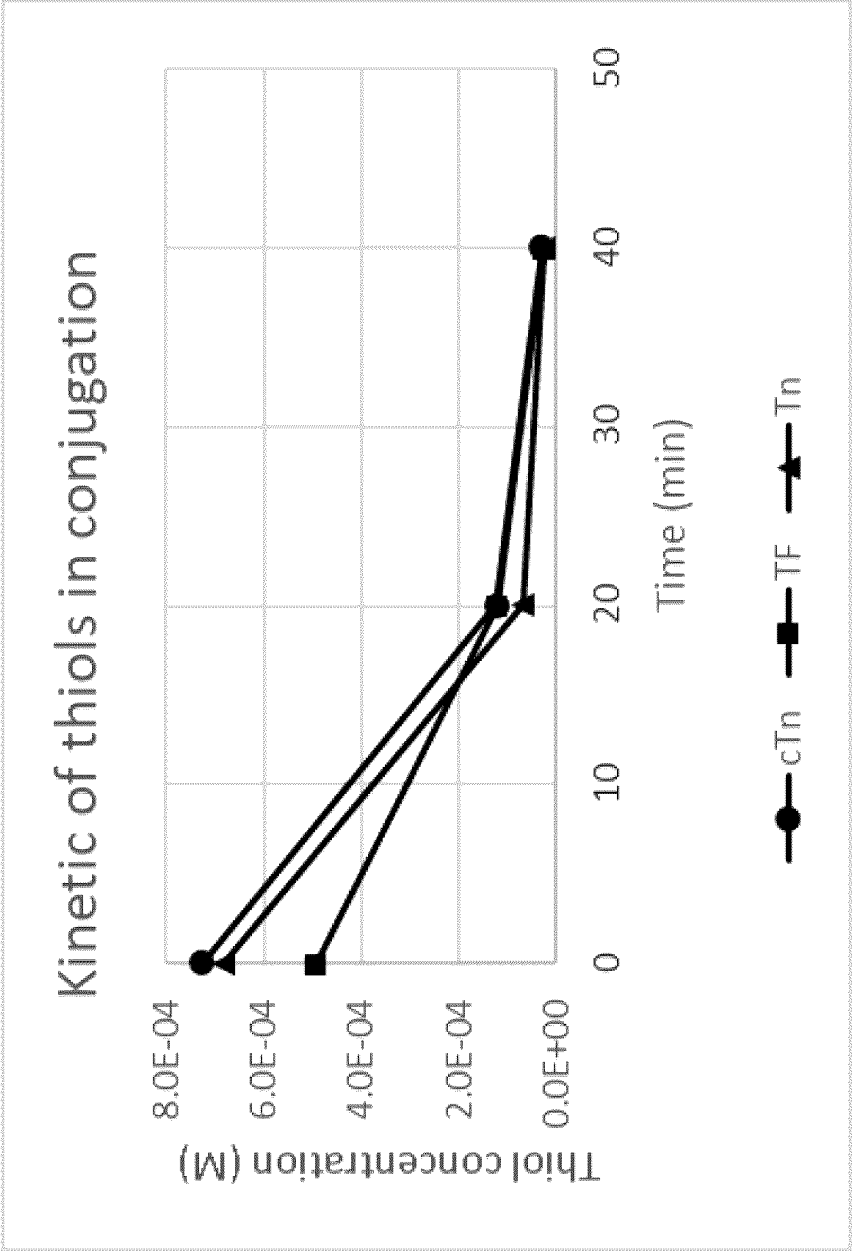


Fig. 19

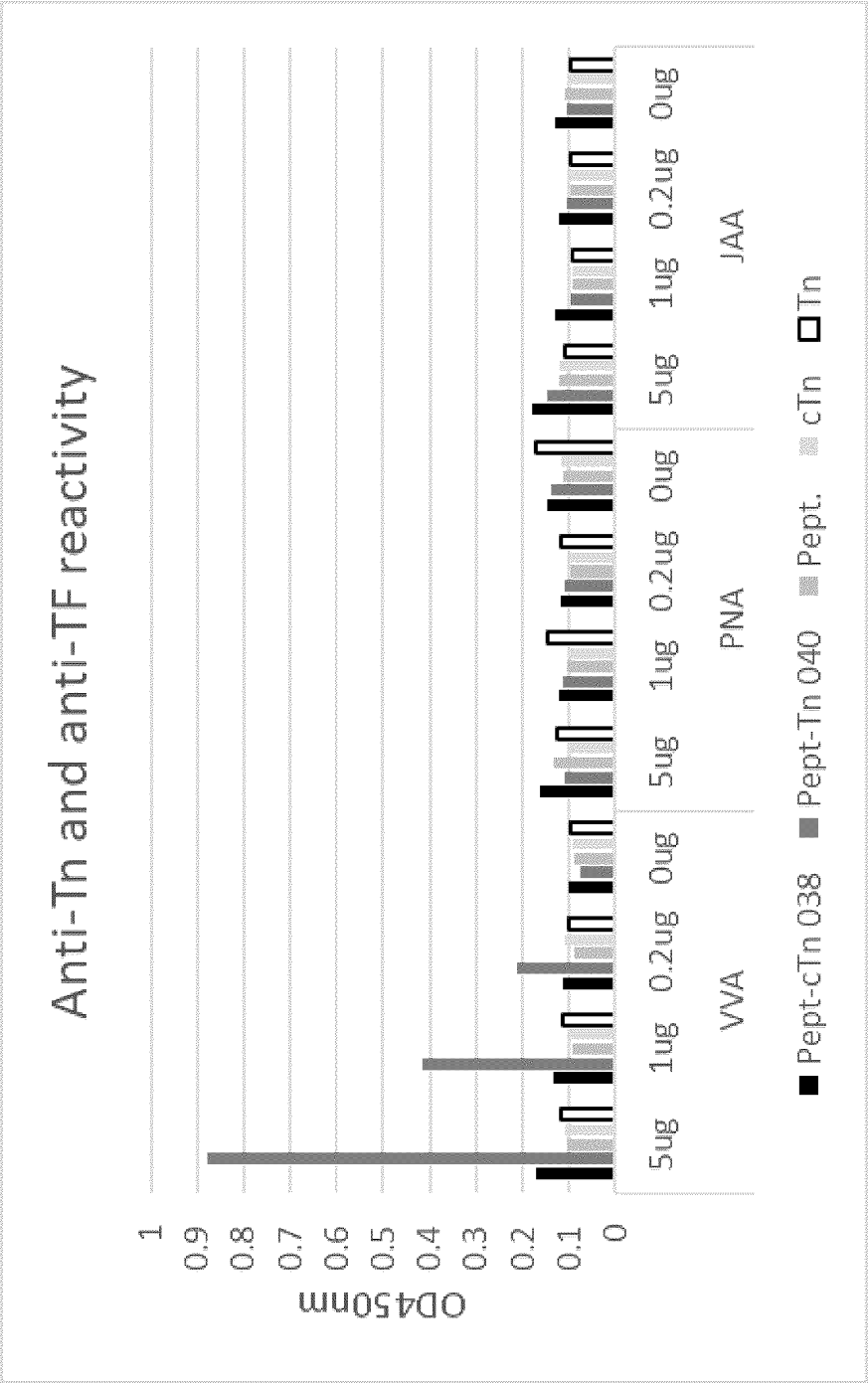


Fig. 20

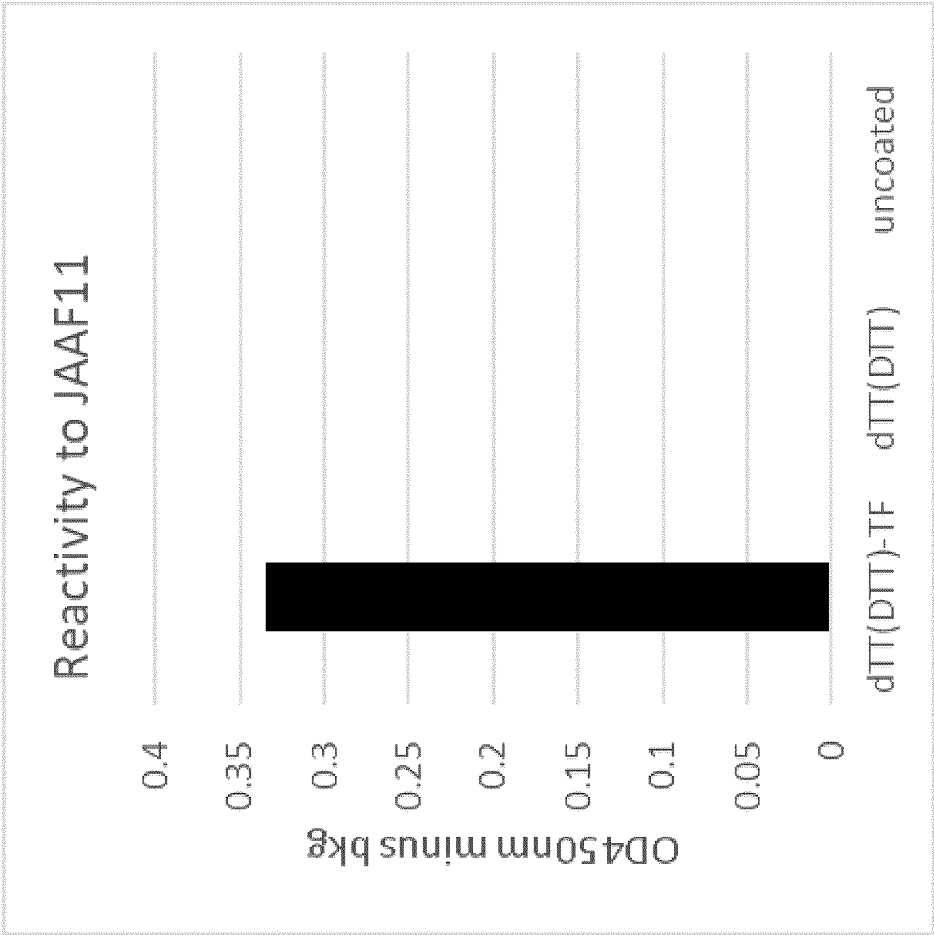


Fig. 21

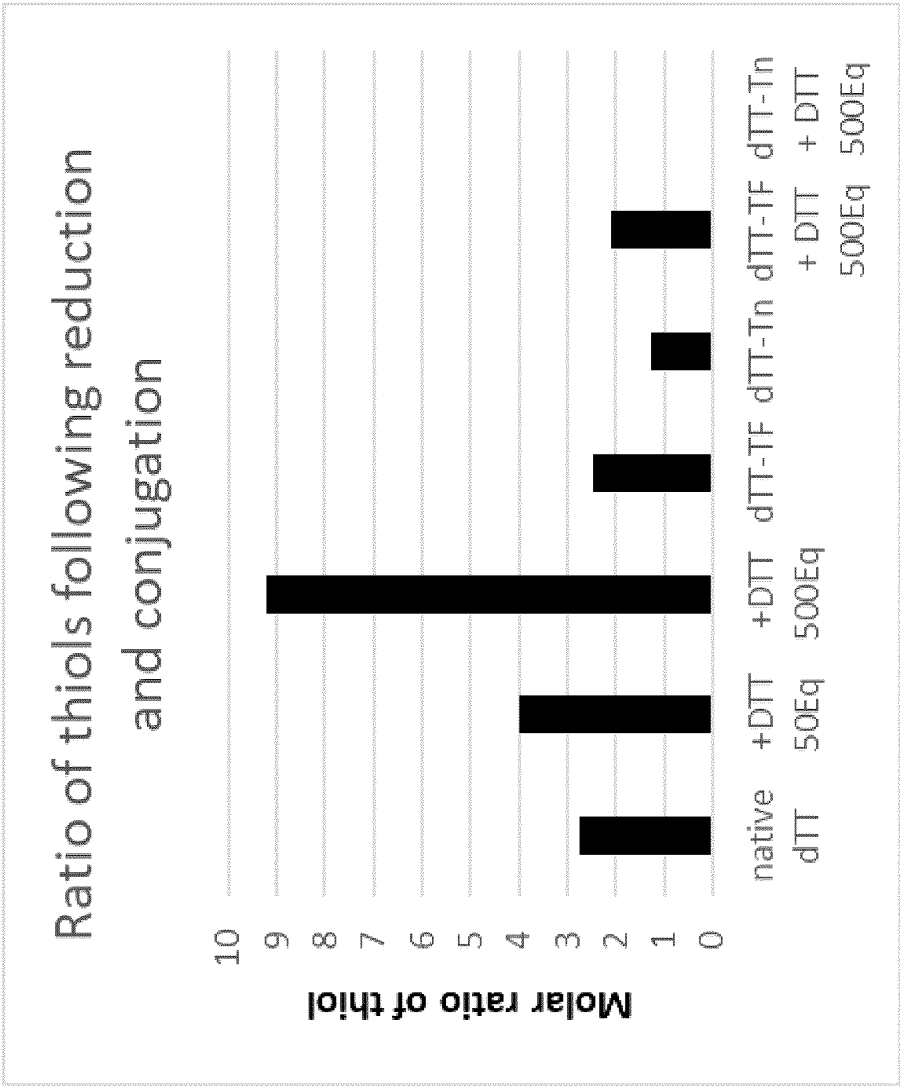


Fig. 22

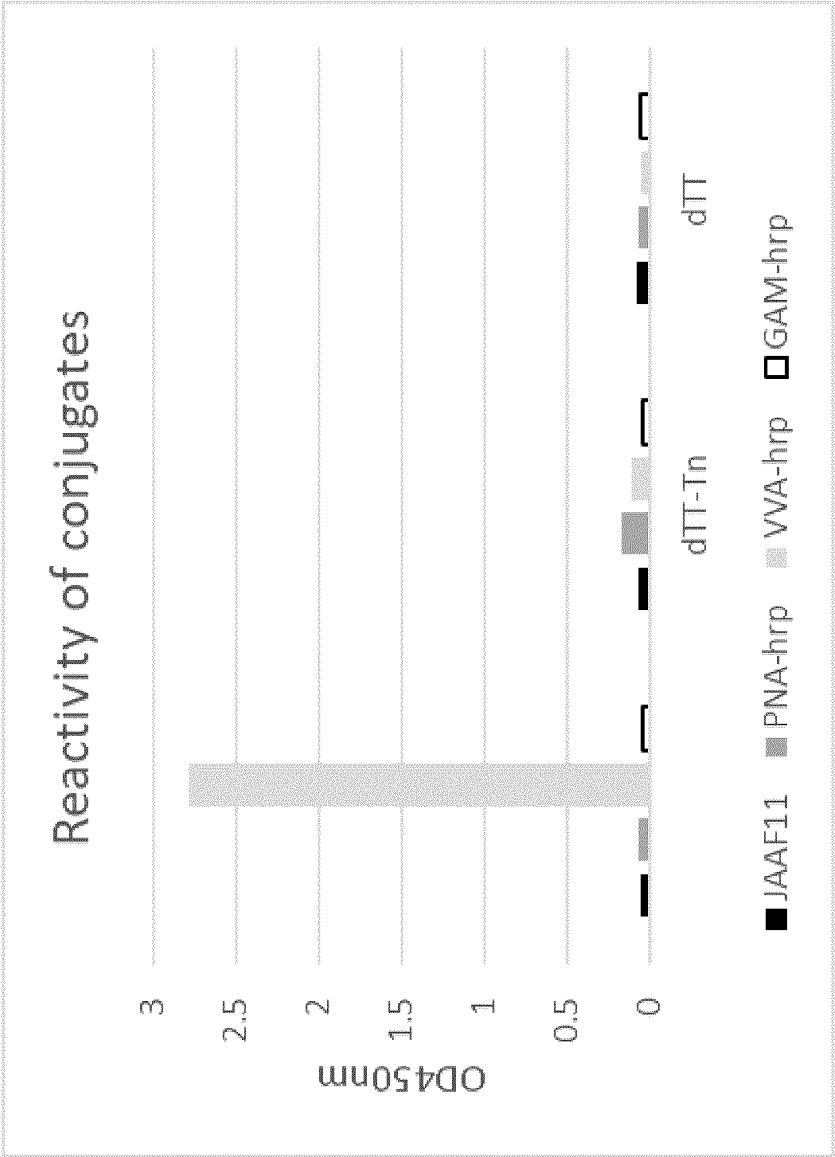


Fig. 23

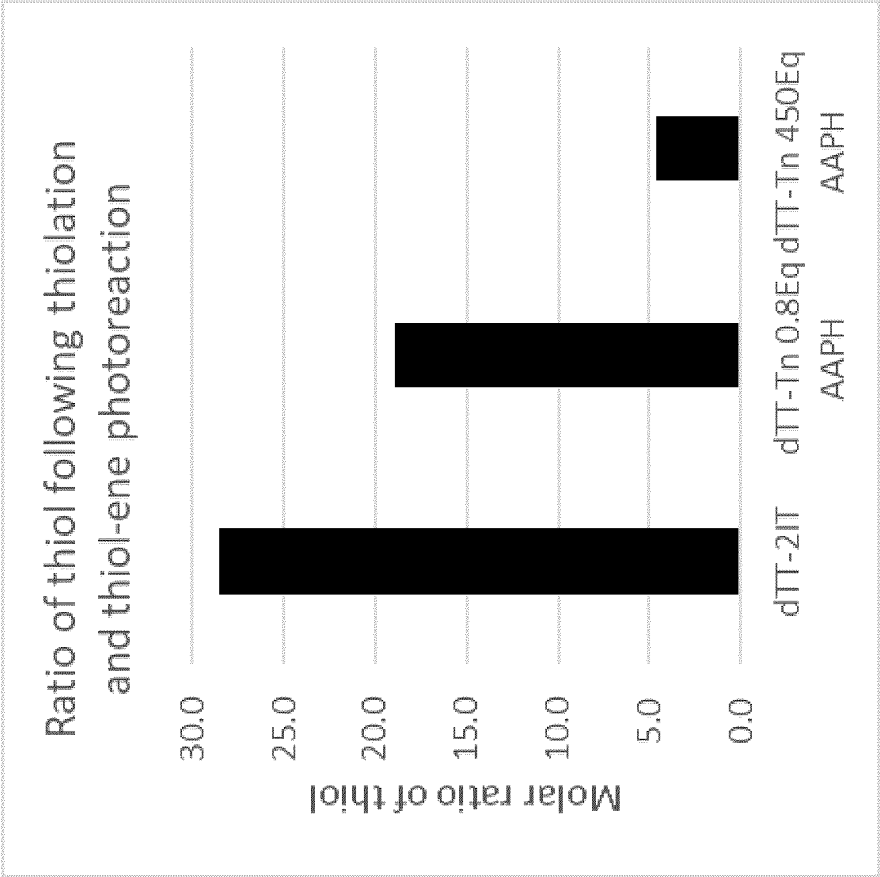


Fig. 24

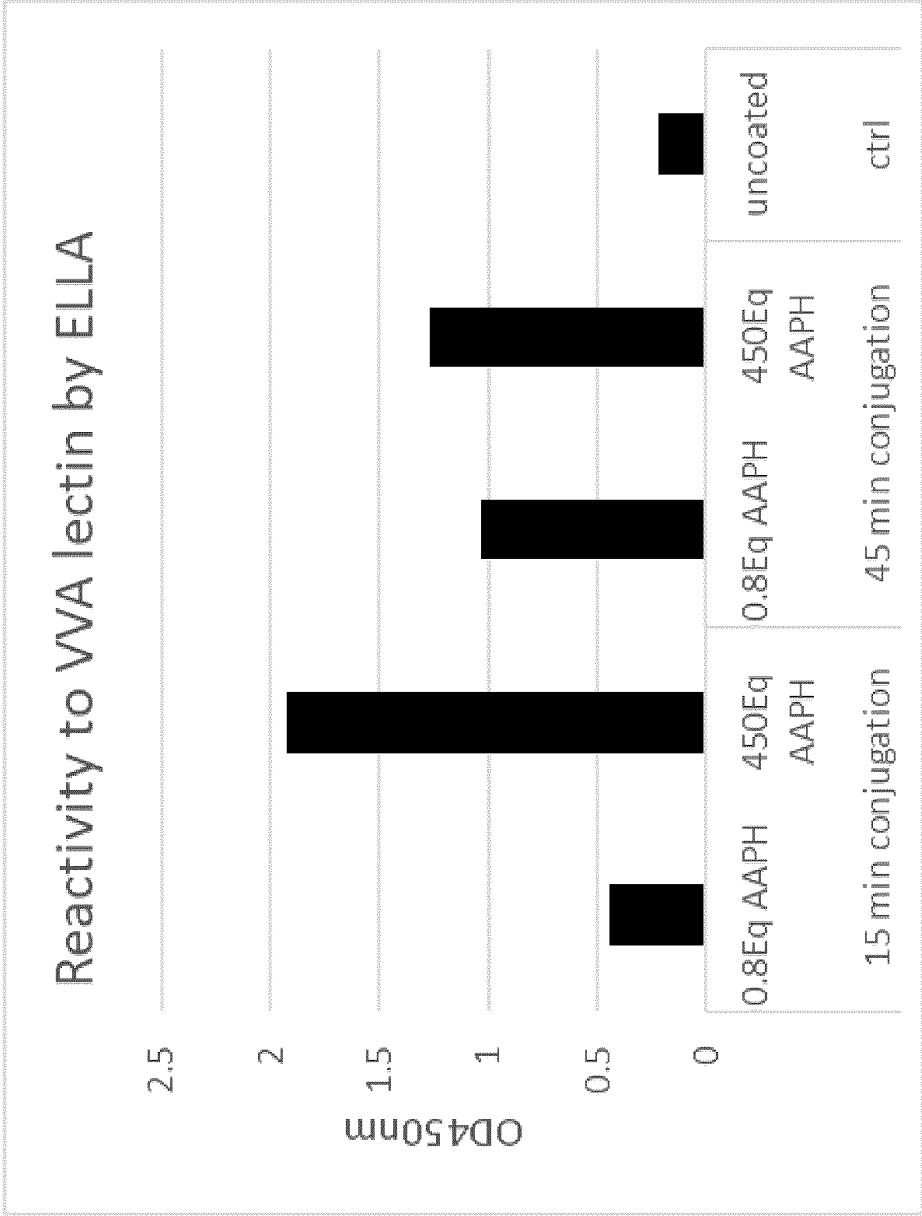


Fig. 25

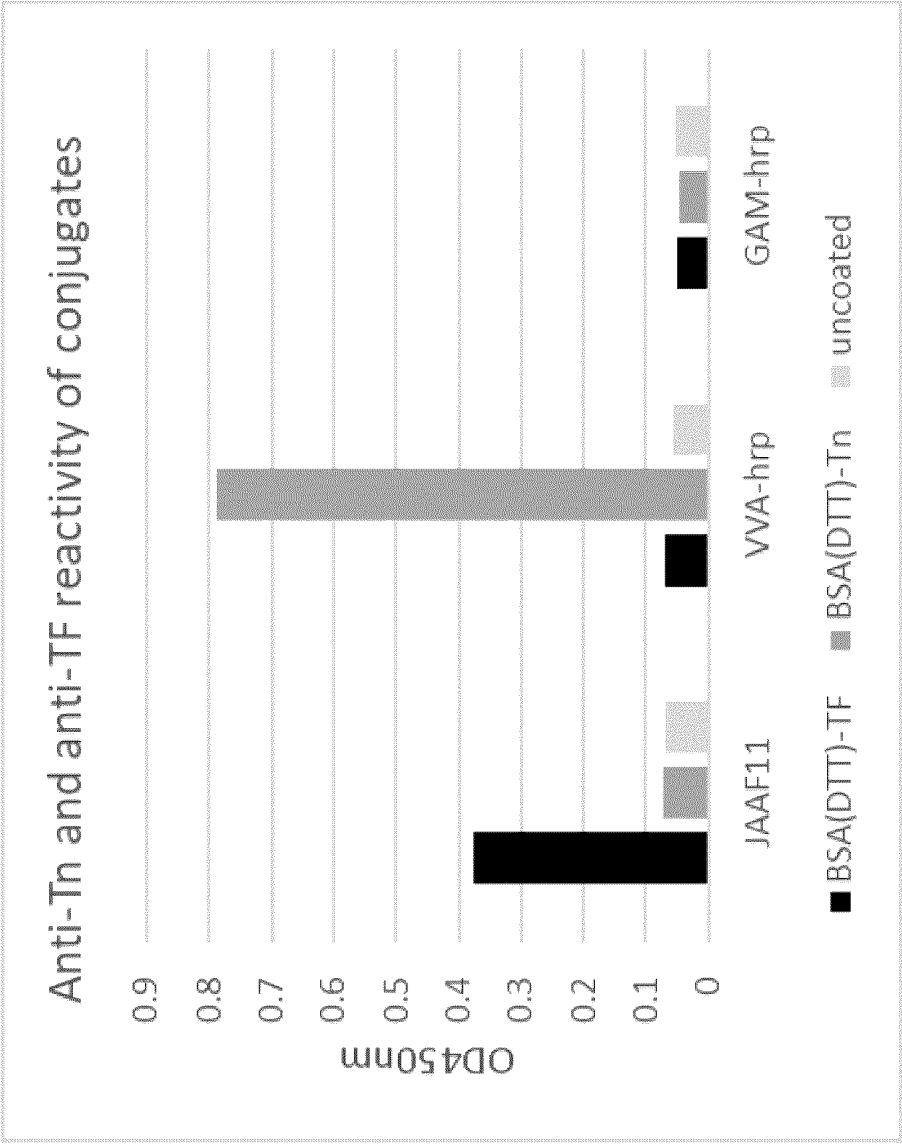


Fig. 26

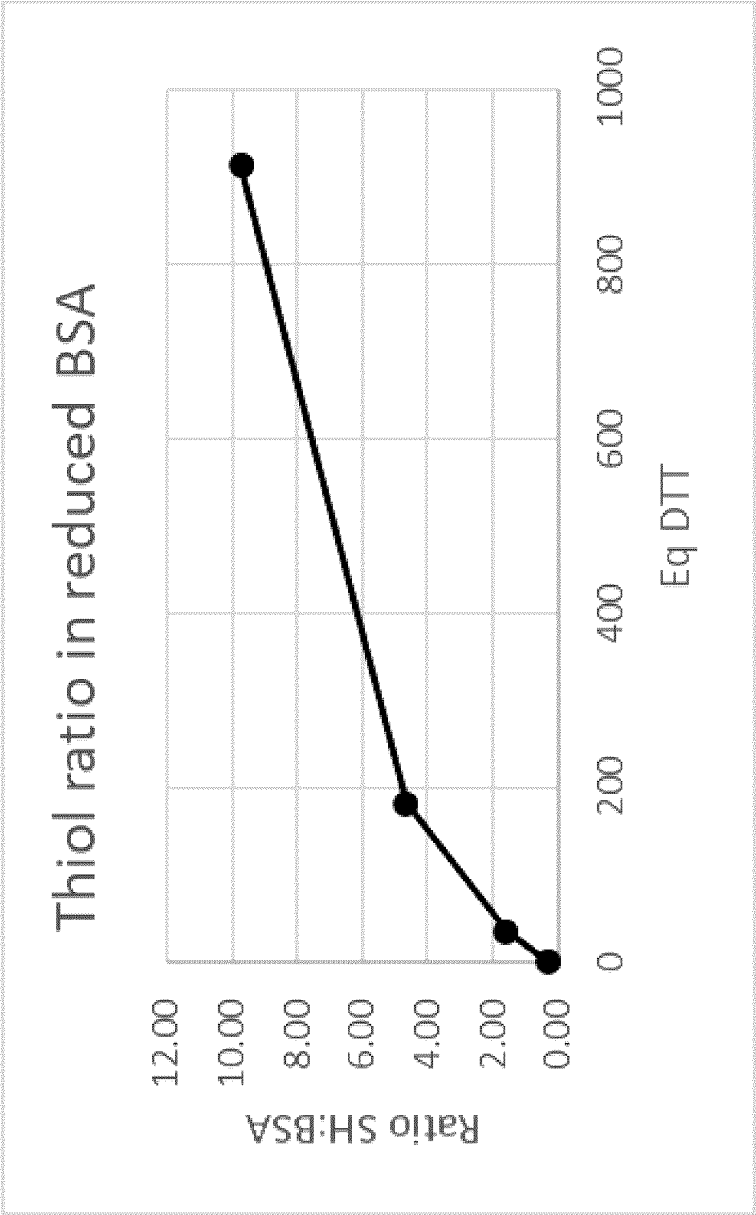


Fig. 27

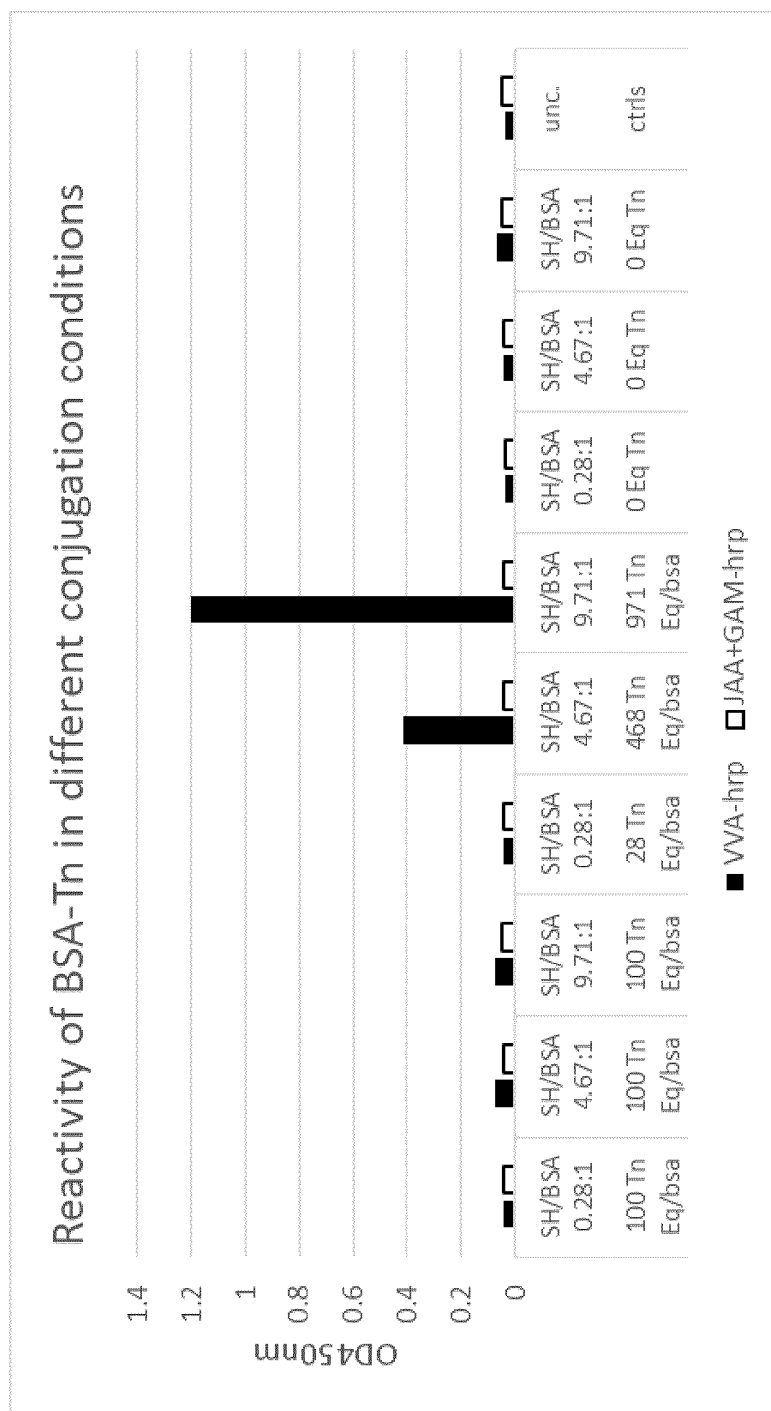


Fig. 28

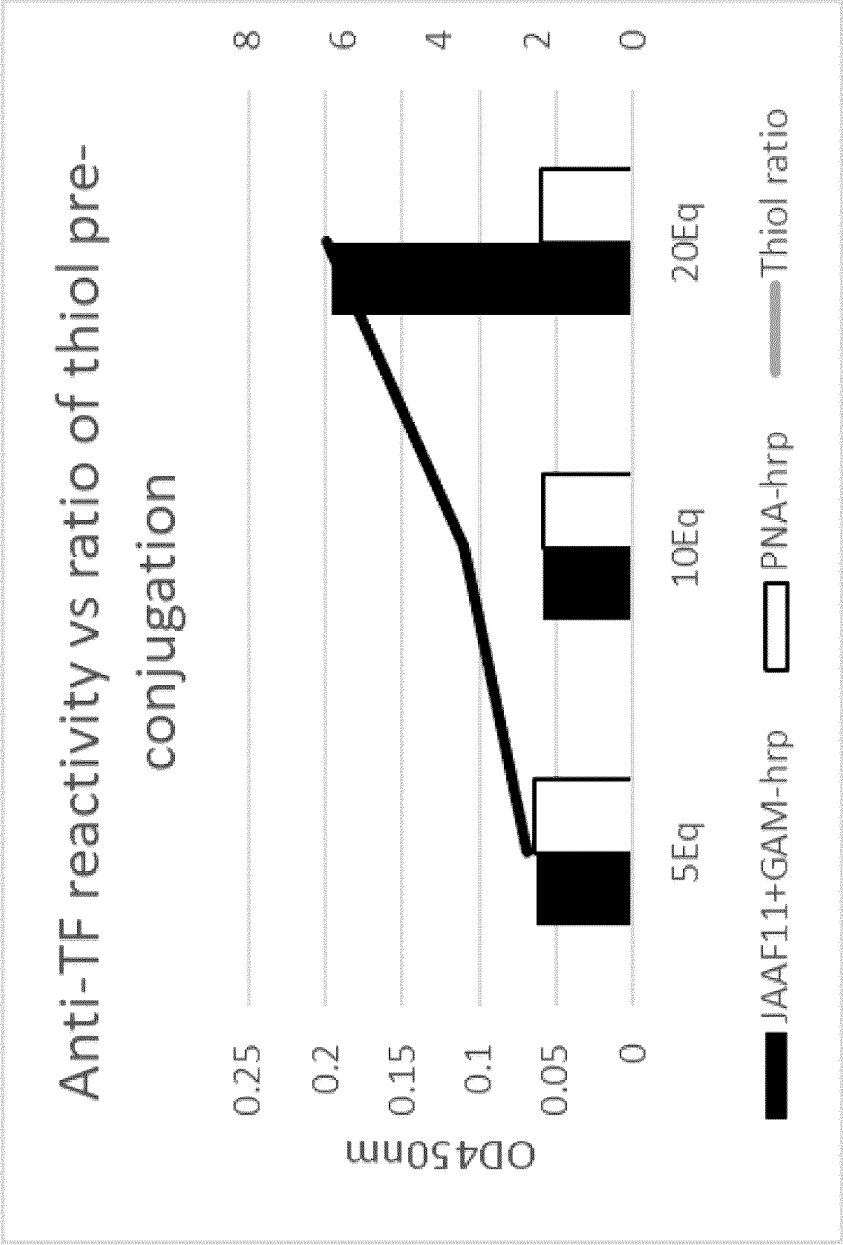


Fig. 29

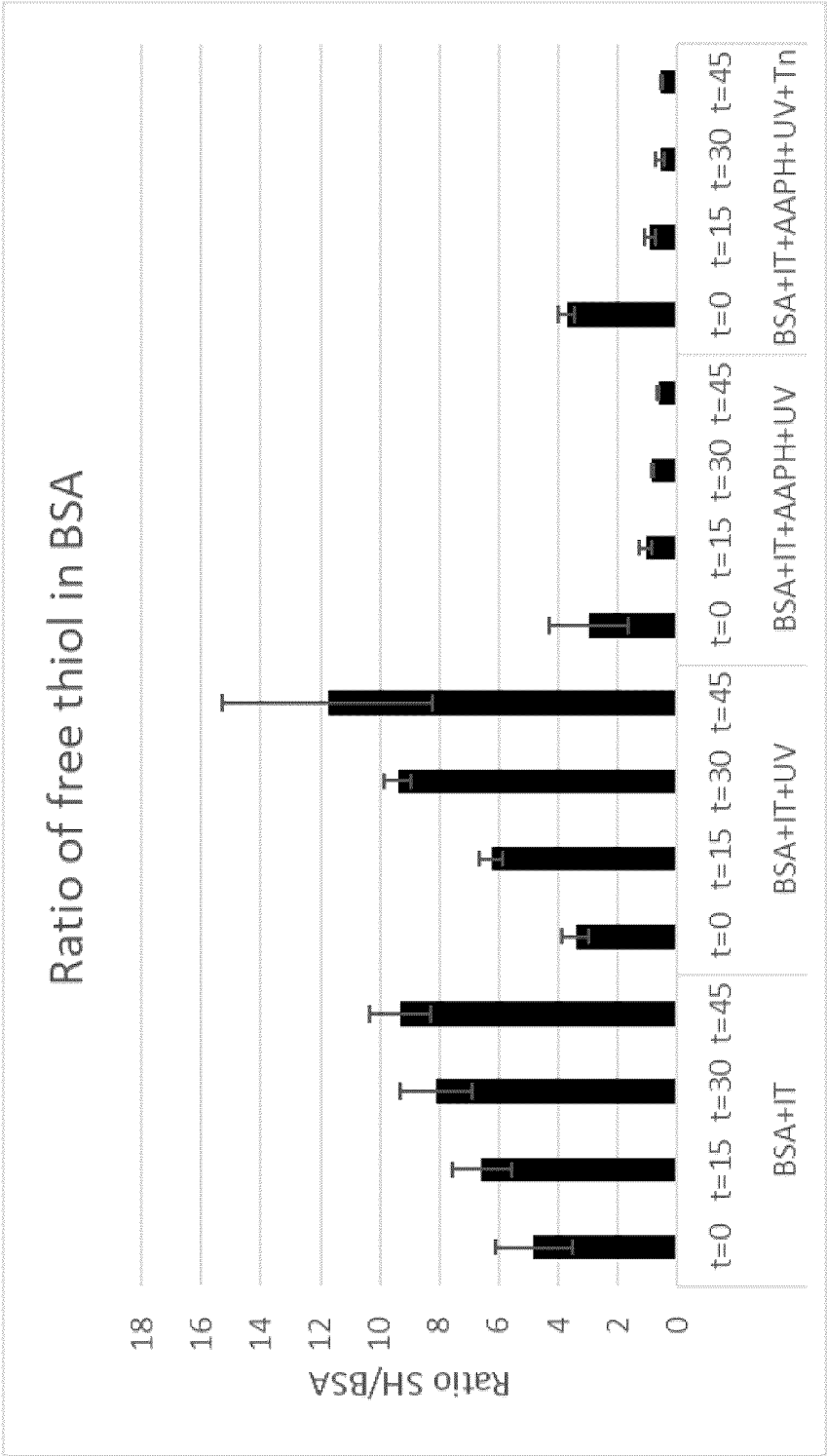


Fig. 30

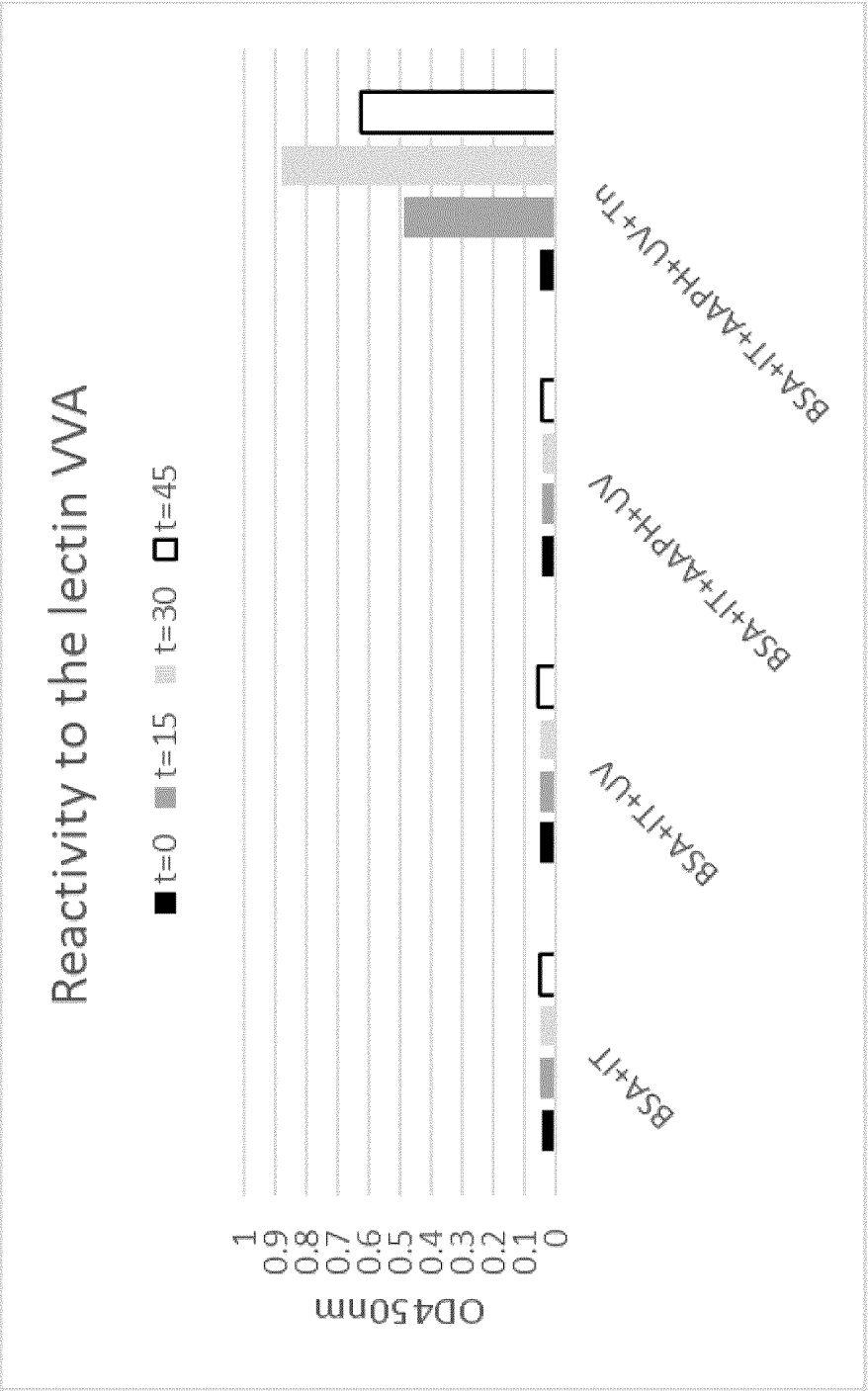


Fig. 31

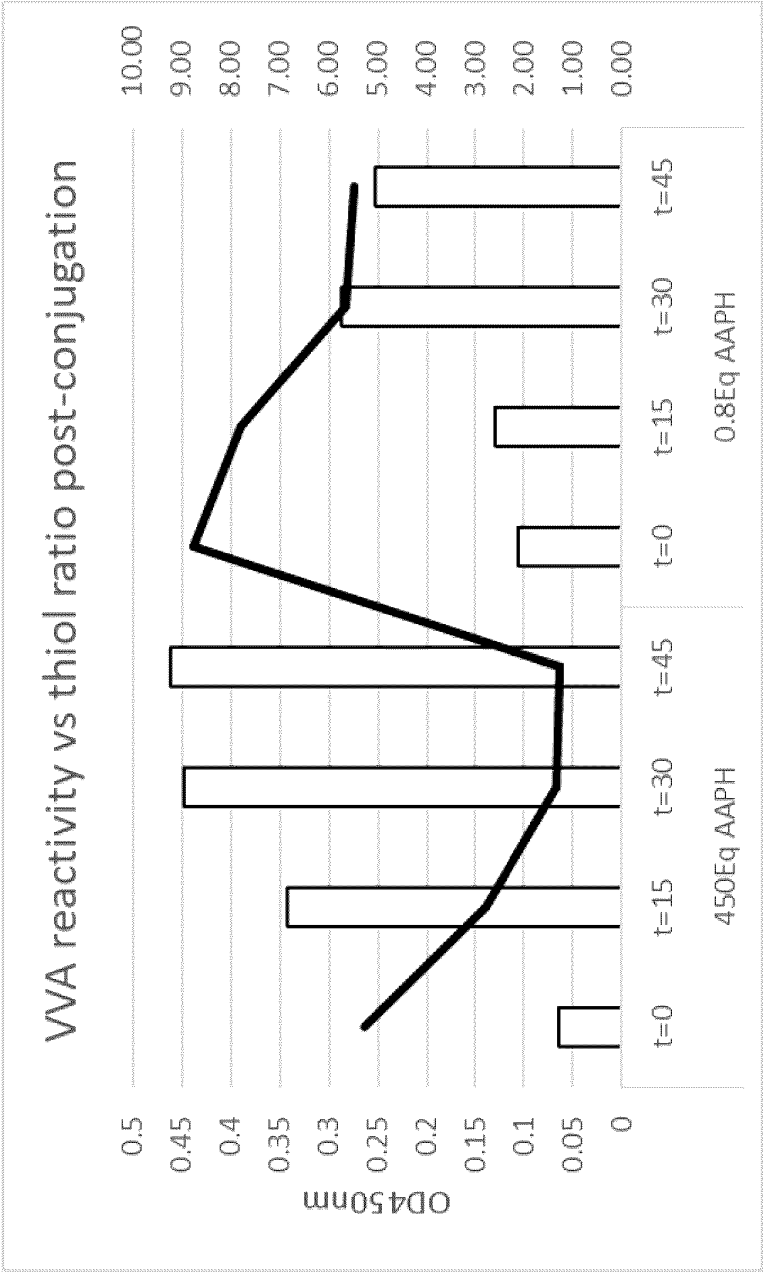


Fig. 32

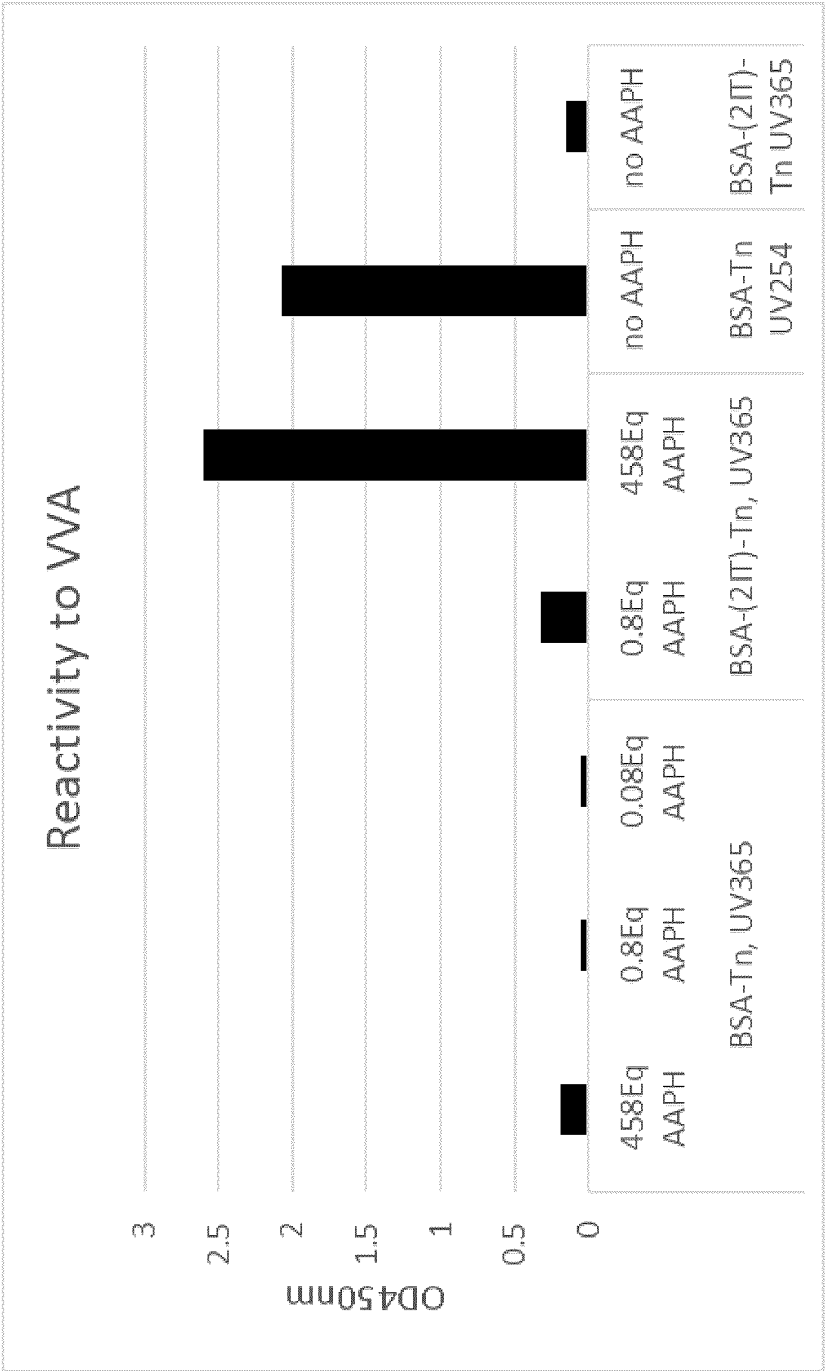


Fig. 33

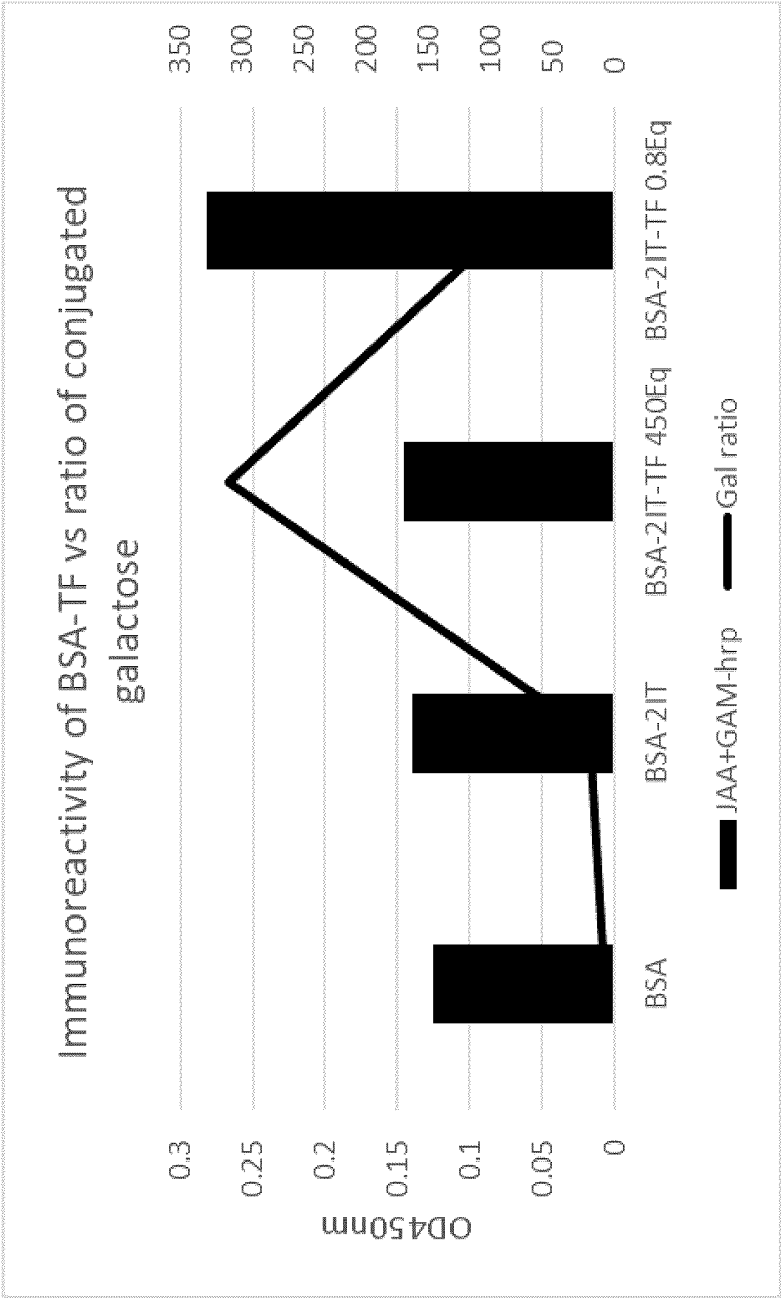
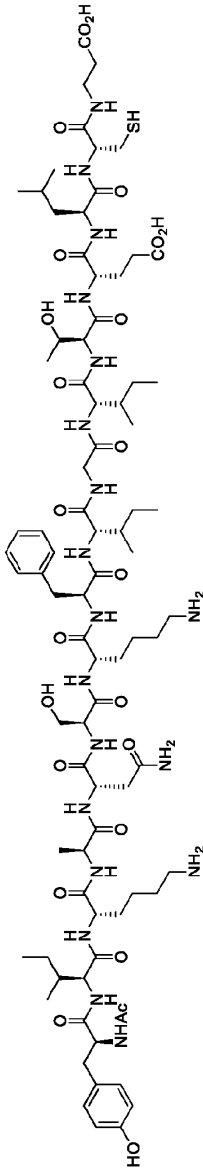
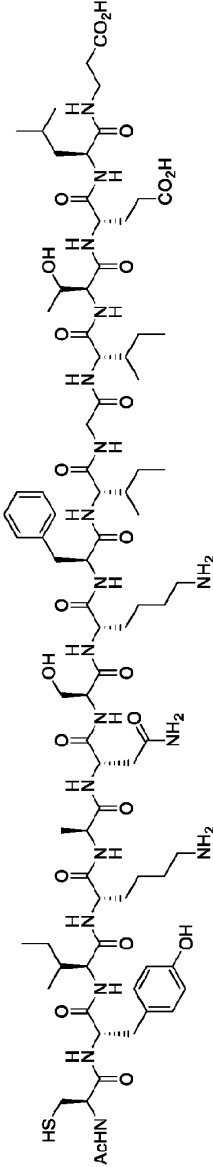


Fig. 34

dTT831-844-Cys-βAla



Cys-dTT831-844-βAla



Compound Table

Compound Label	Data File	RT	Mass	Abund	Formula	Tgt Mass	Diff (ppm)
Cpd 1: C83 H133 N19 O24 S	Roy_Chichi_181019_STC-GV-III-023_LC_5-95-10_UV_10ul.d	5.32	1811.952	211331	C83 H133 N19 O24 S	1811.9492	1.59
Cpd 1: C83 H133 N19 O24 S	Roy_Chichi_181019_STC-GV-III-021_LC_5-95-10_UV_10ul.d	5.42	1811.9526	331559	C83 H133 N19 O24 S	1811.9492	1.88

Fig. 35

dTT831-844-Cys-βAla

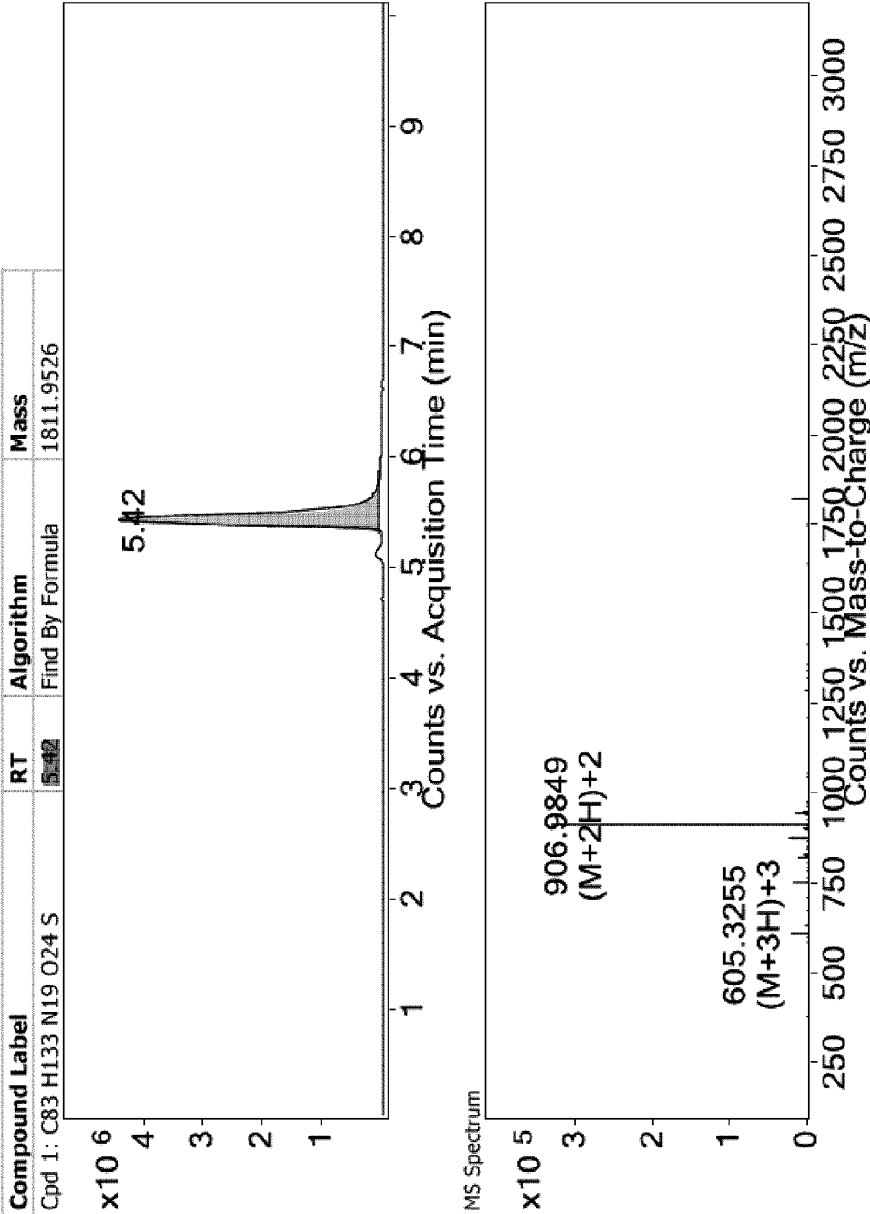


Fig. 36

Cys-dTT831-844-βAla

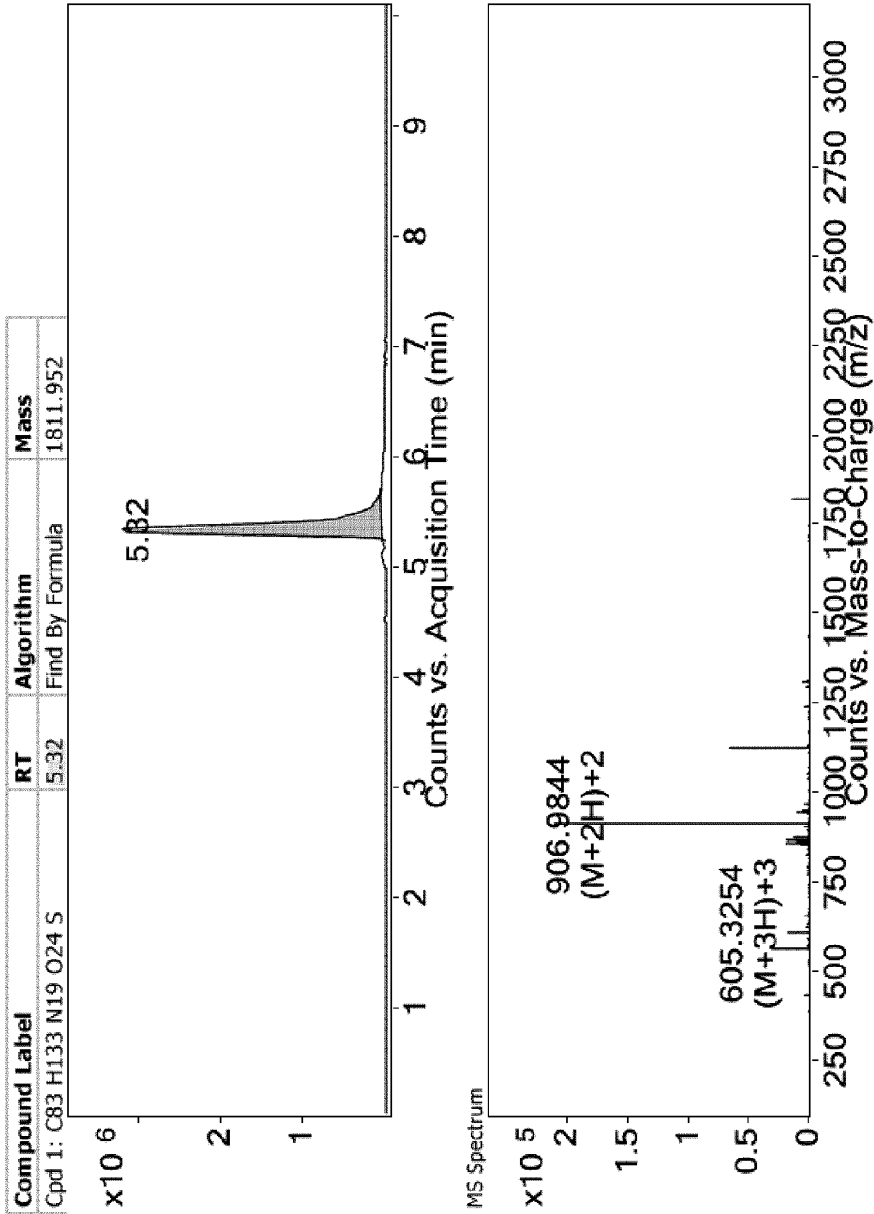
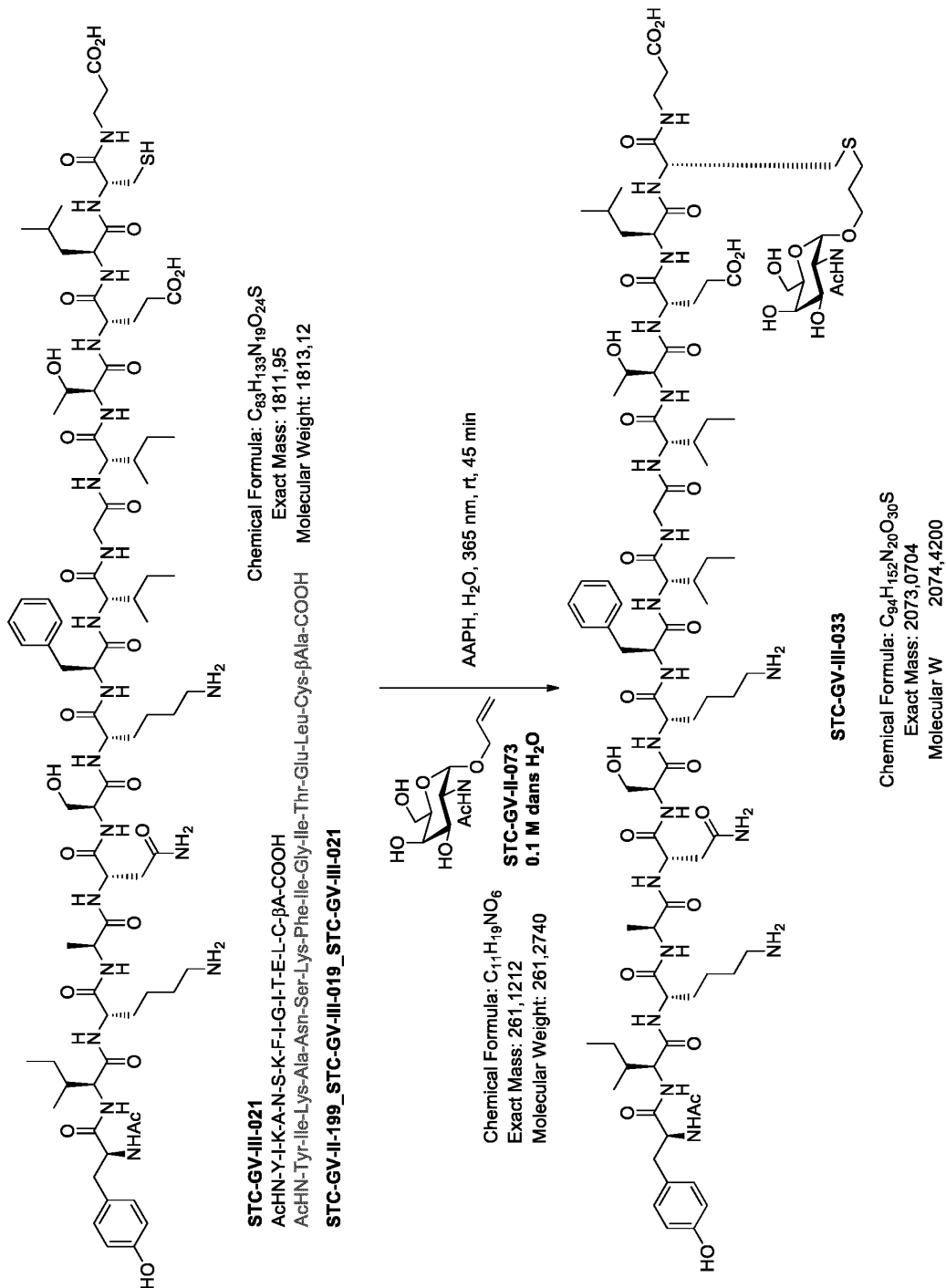


Fig. 37

dTT831-844-Cys-βAla-O-Tn



dtT831-844-Cys-βAla-O-Tn

Fig. 38

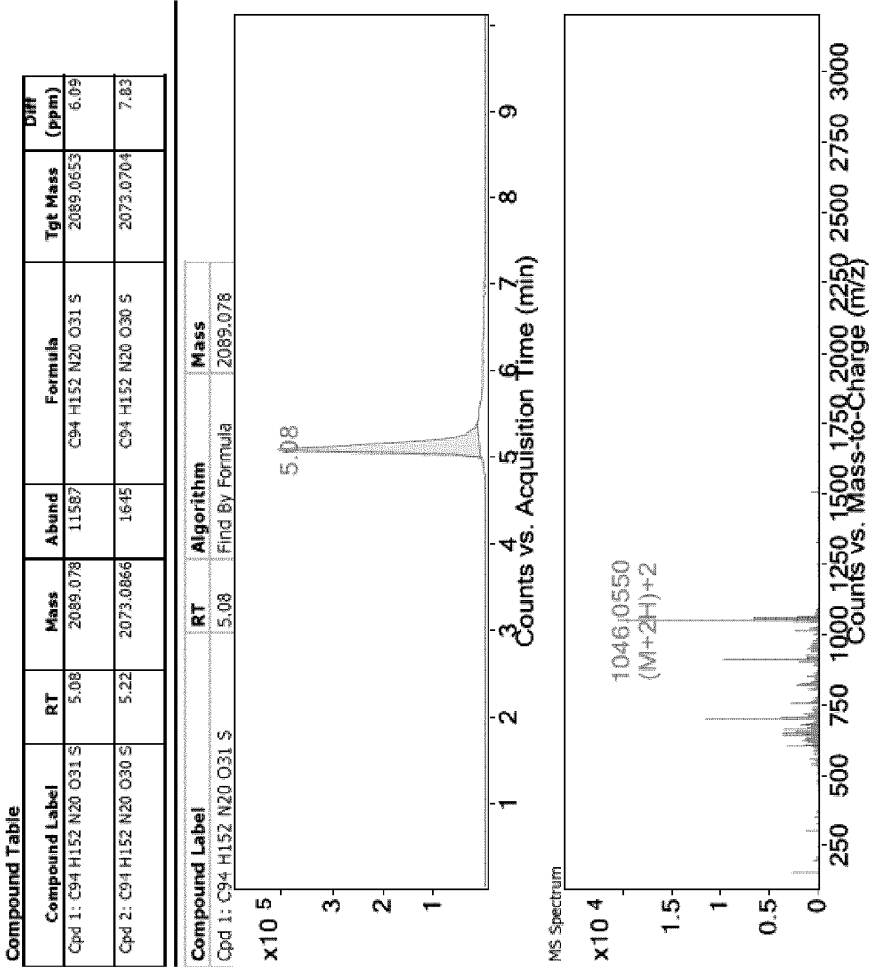


Fig. 39

O-Tn-Cys-dTT831-844-βAla

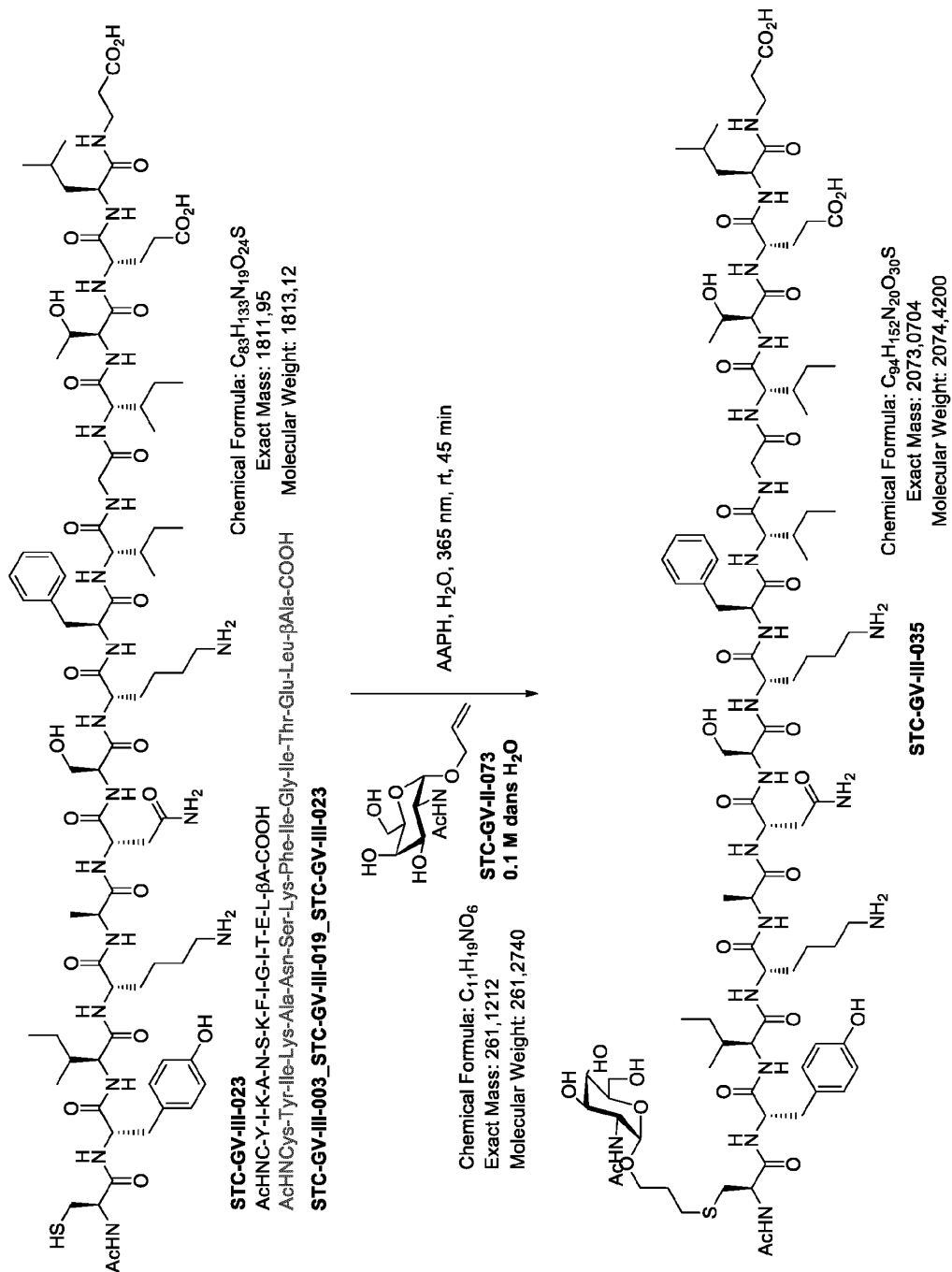


Fig. 40

O-Tn-Cys-dTT831-844-βAla

