

1/29

Fig. 1A

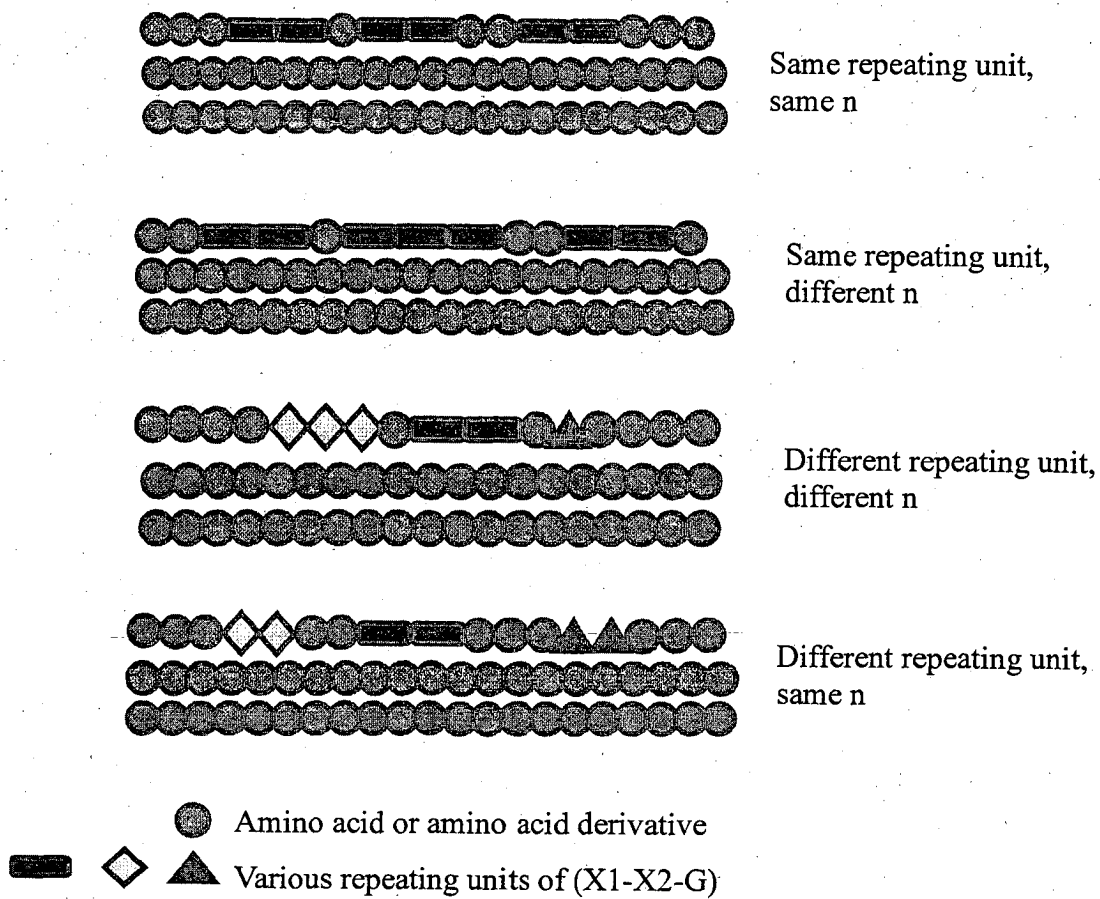
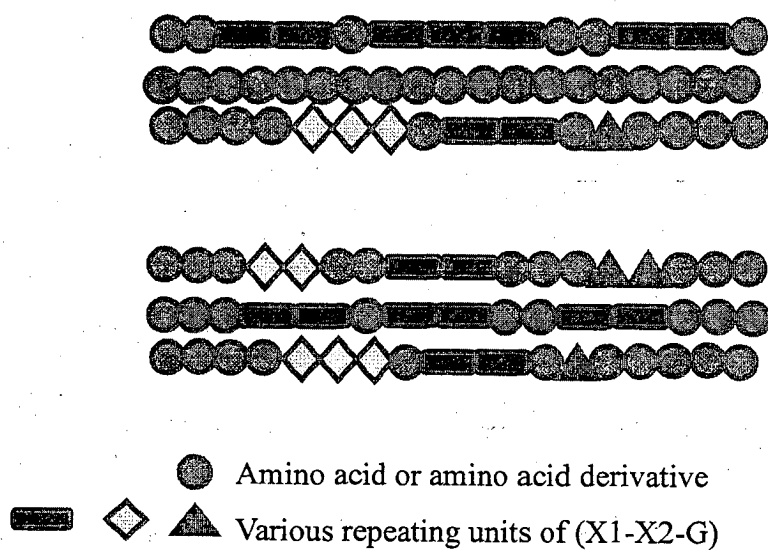


Fig. 1B



2/29

FIG. 2A

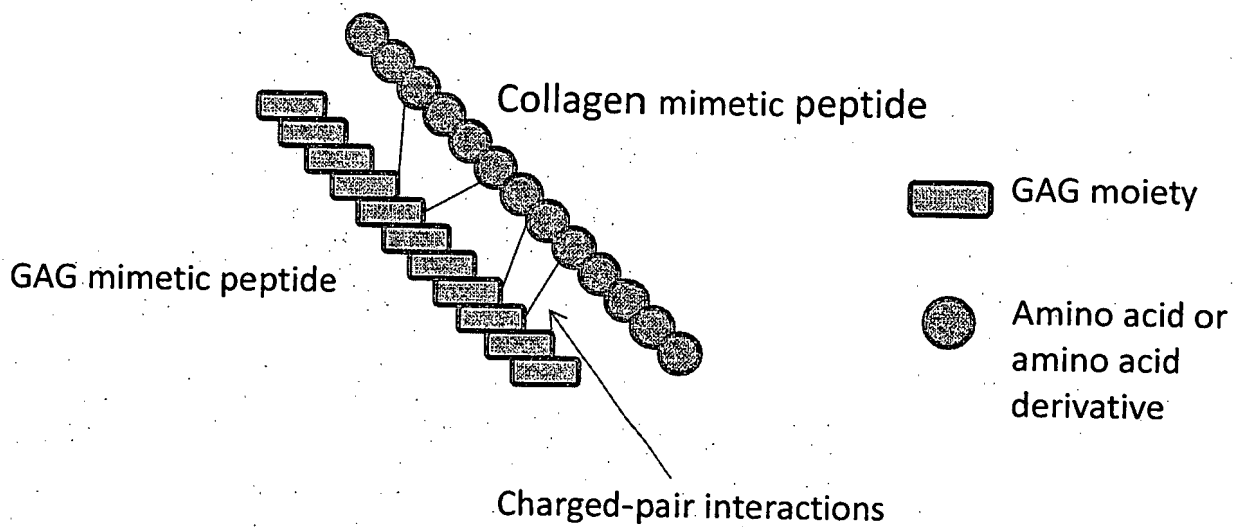
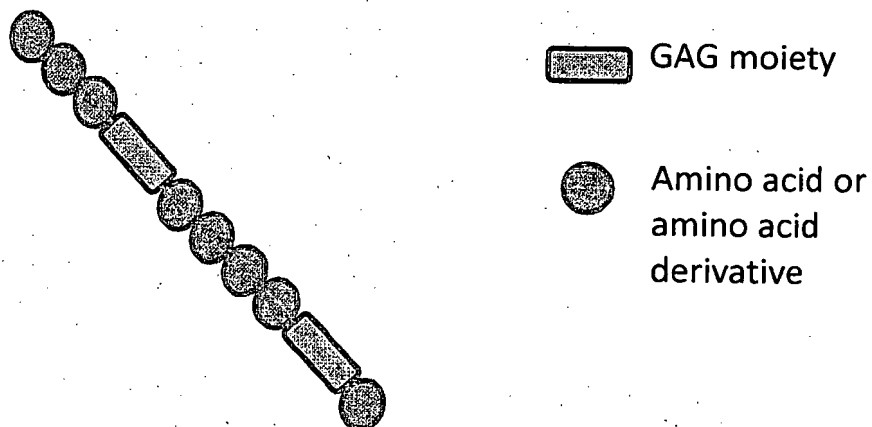
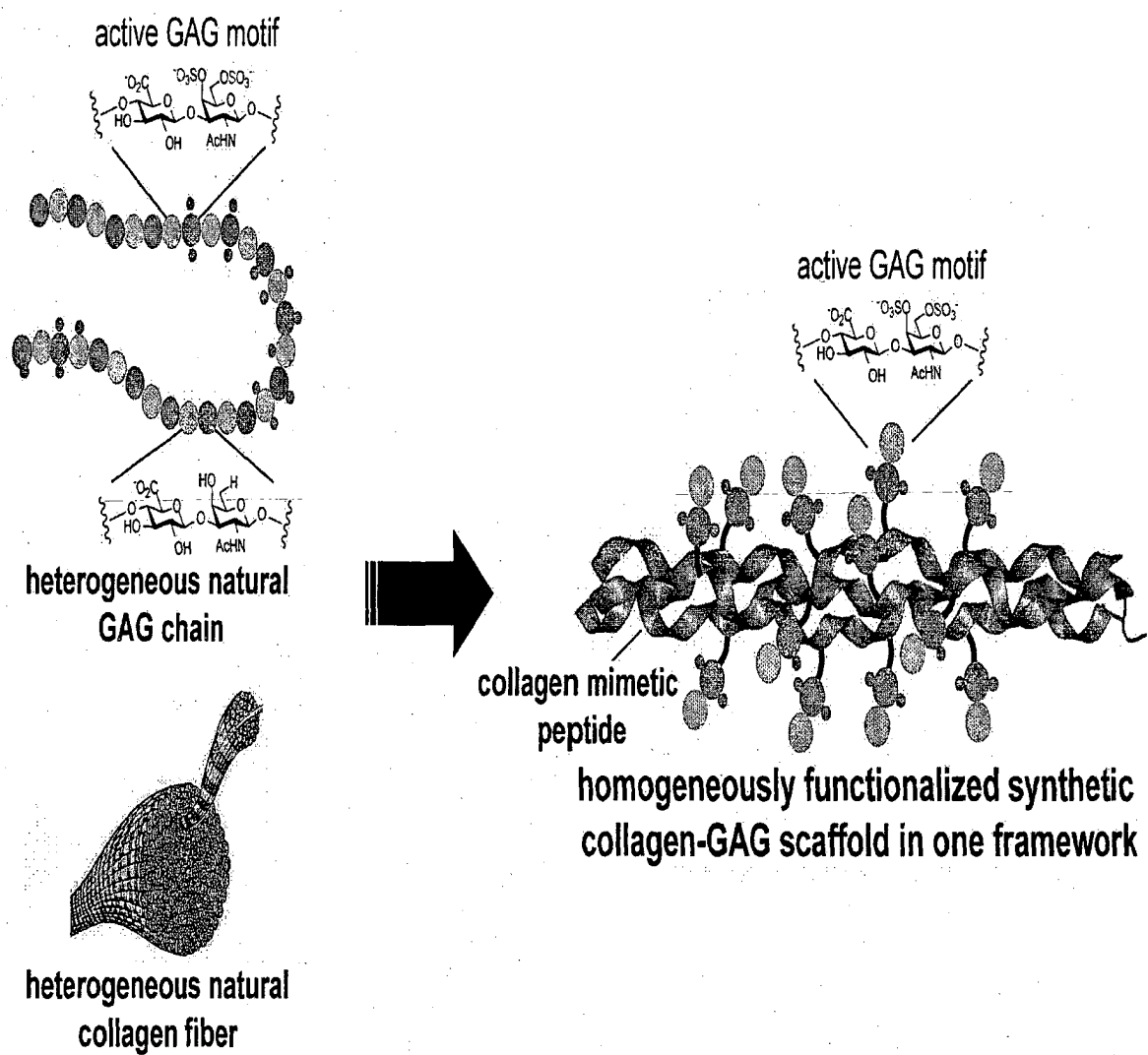


FIG. 2B



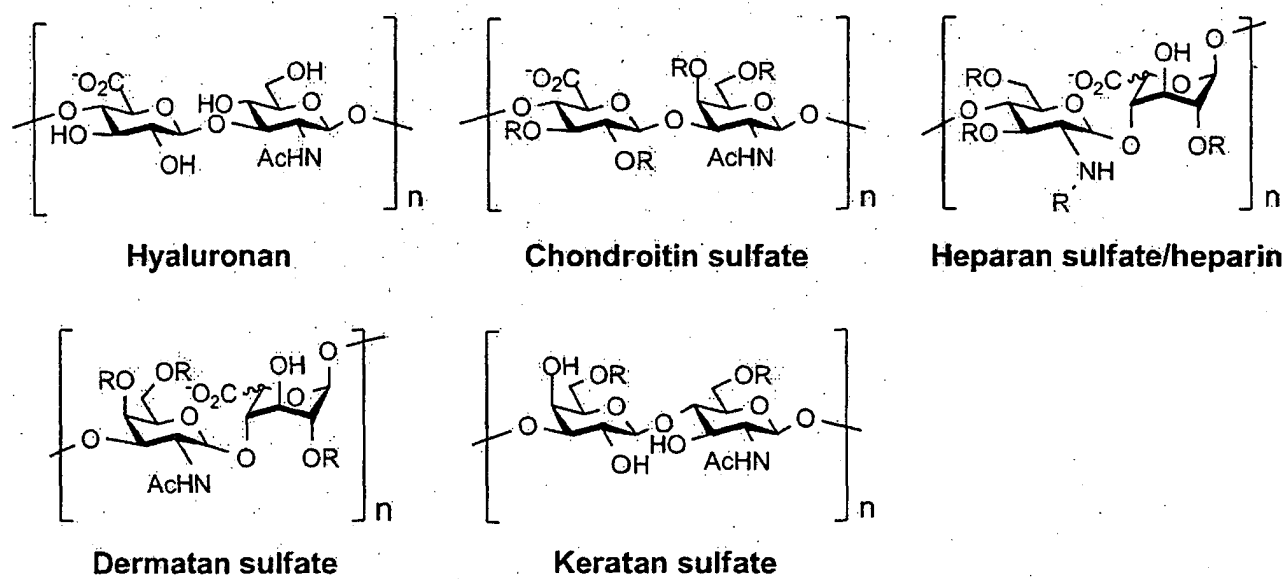
3/ 29

Fig. 3



4/ 29

Fig. 4



5/ 29

FIG. 5A

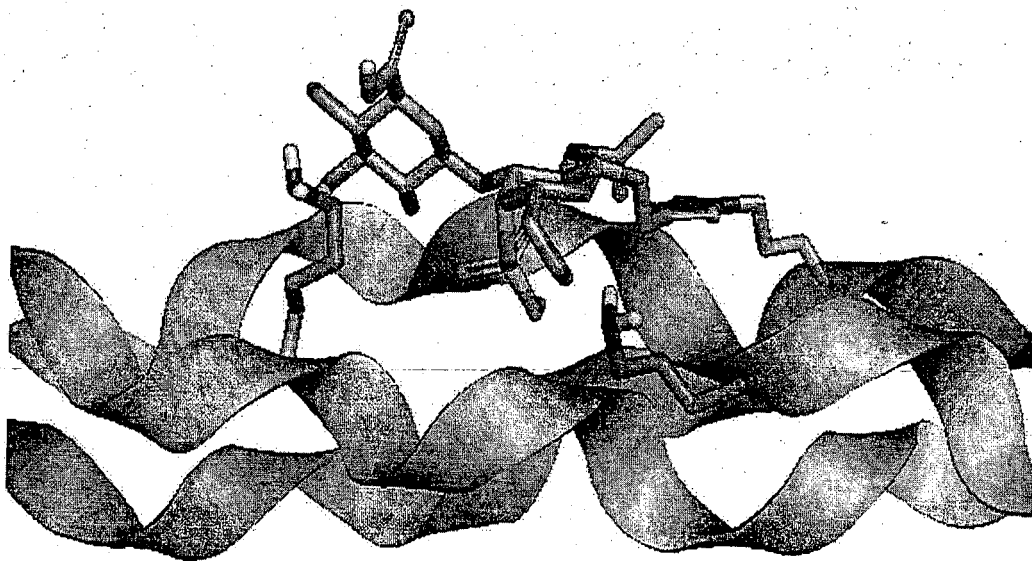


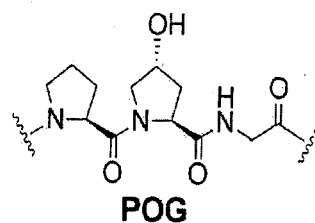
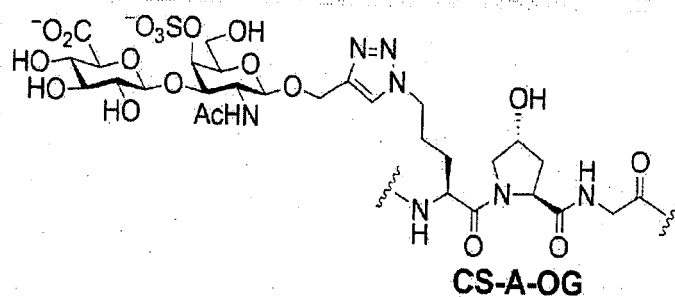
FIG. 5B

Peptide 1: $\text{Ac}-(\text{POG})_2-(\text{CS-A-OG})_4-(\text{POG})_2-\text{C}(\text{O})\text{NH}_2$

Peptide 2: $\text{Ac}-(\text{POG})_2-(\text{PKG})_4-(\text{POG})_2-\text{C}(\text{O})\text{NH}_2$

Peptide 3: $\text{Ac}-(\text{POG})_2-(\text{PRG})_4-(\text{POG})_2-\text{C}(\text{O})\text{NH}_2$

Peptide 4: $\text{Ac-WG}-(\text{POG})_2-(\text{PRG})-(\text{PRG}^*)-(\text{PRG})_2-(\text{POG})_2-\text{C}(\text{O})\text{NH}_2$



6/29

FIG. 6A

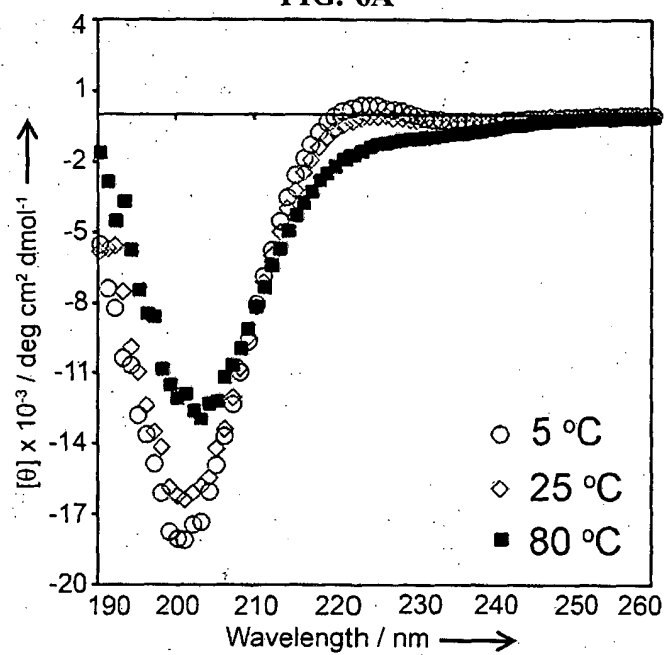
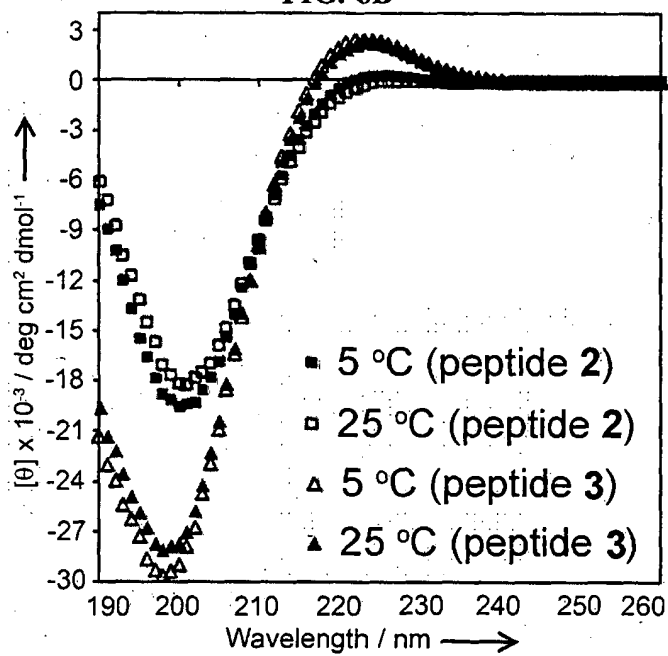


FIG. 6B



7/29

FIG. 6C

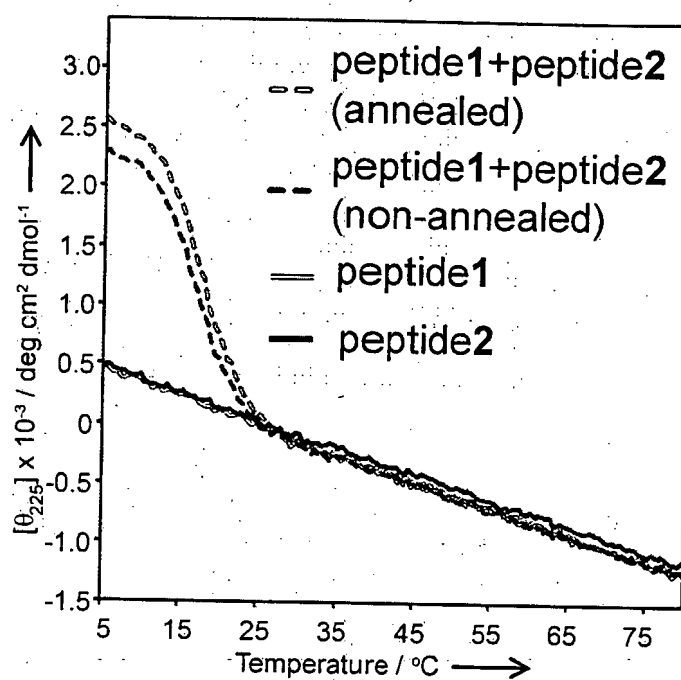
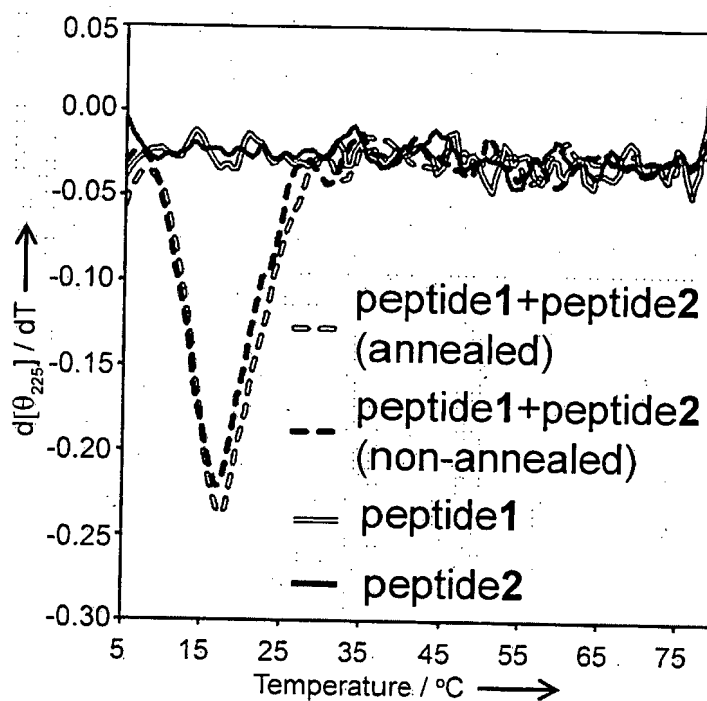


Fig. 6D



8/29

Fig. 6E

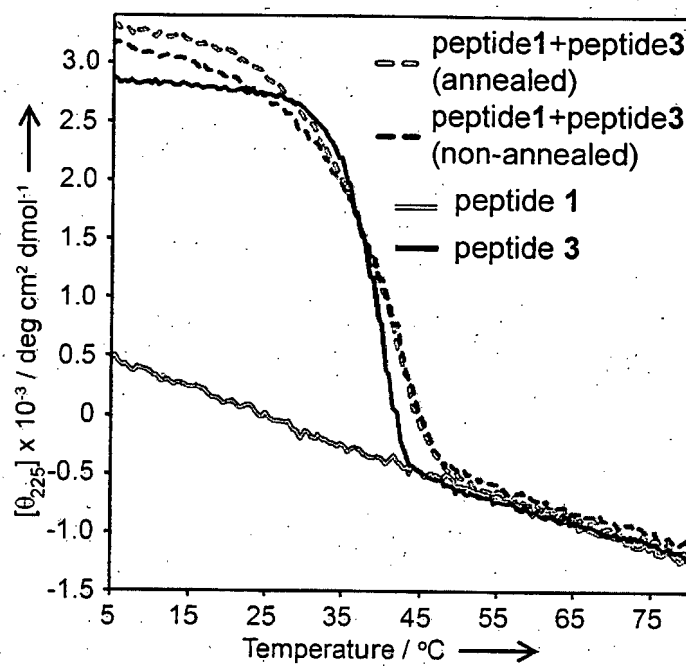
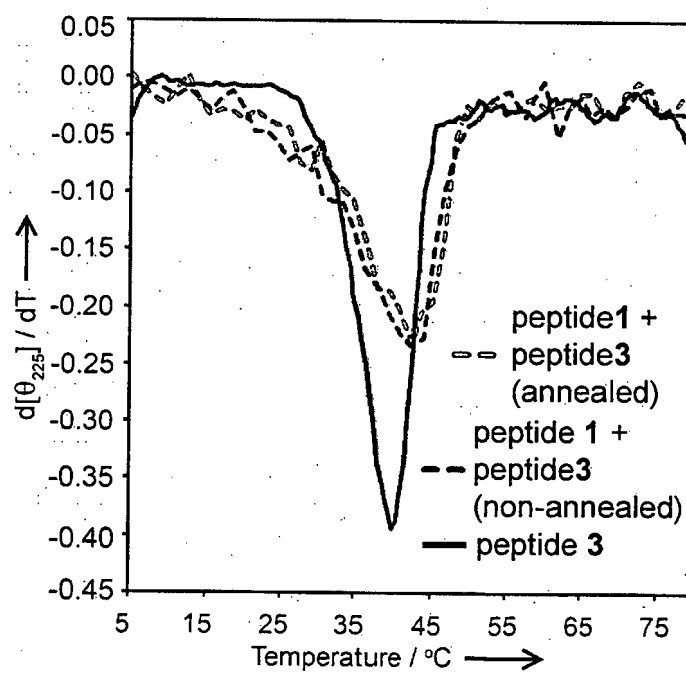


FIG. 6F



9/29

FIG. 7A

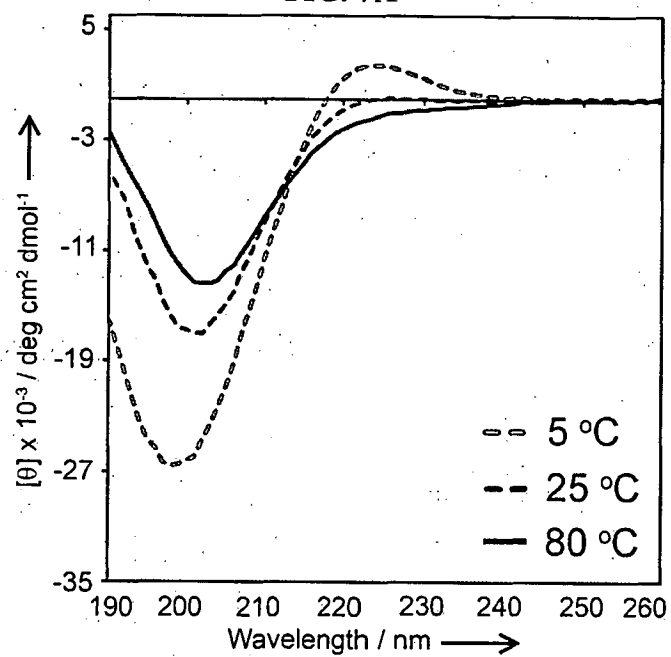
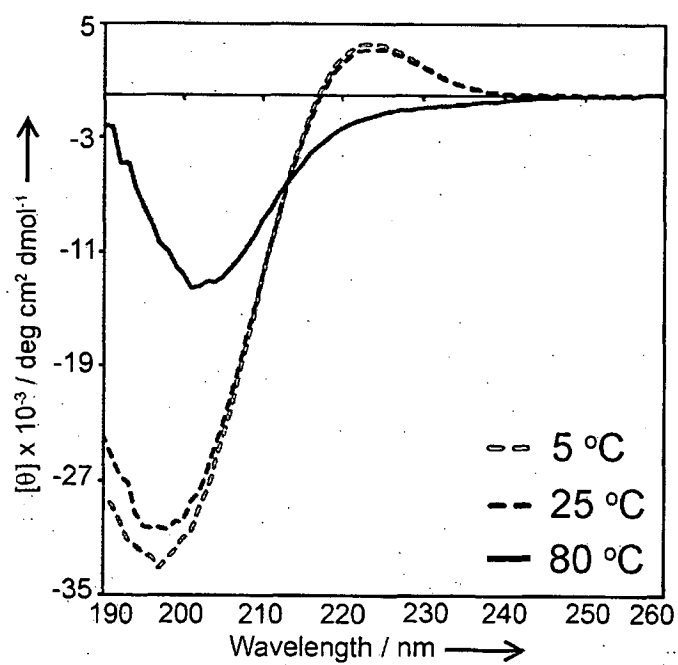


Fig. 7B



10/29

Fig. 8A

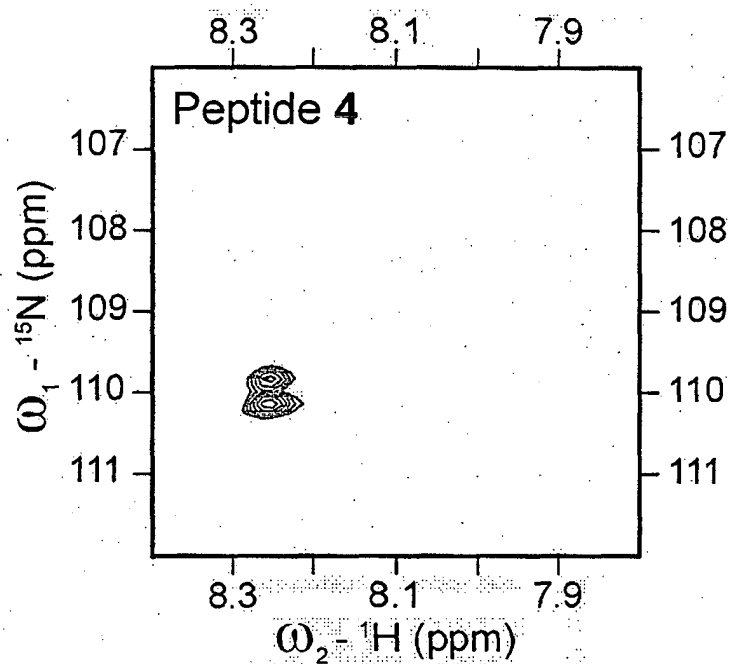
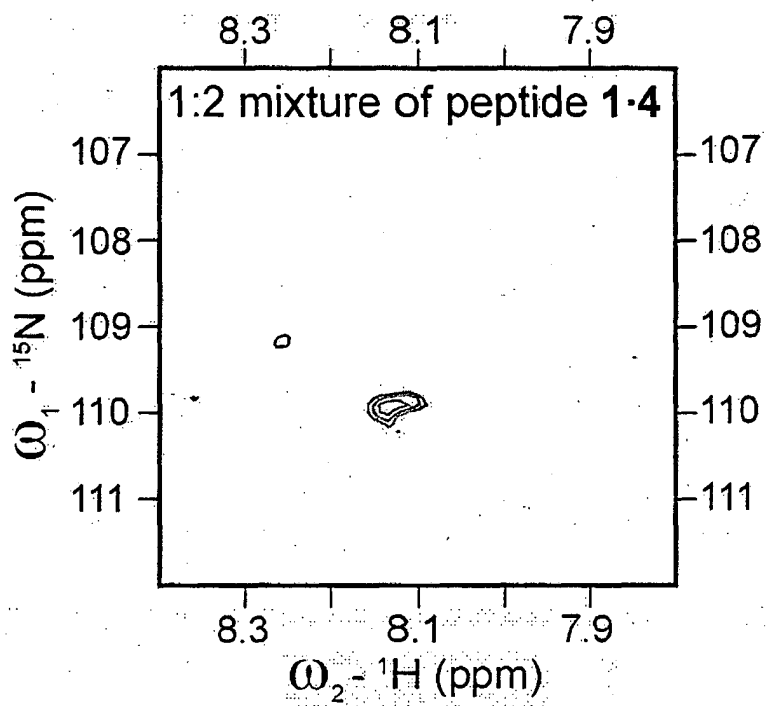


Fig. 8B



11/29

Fig. 8C

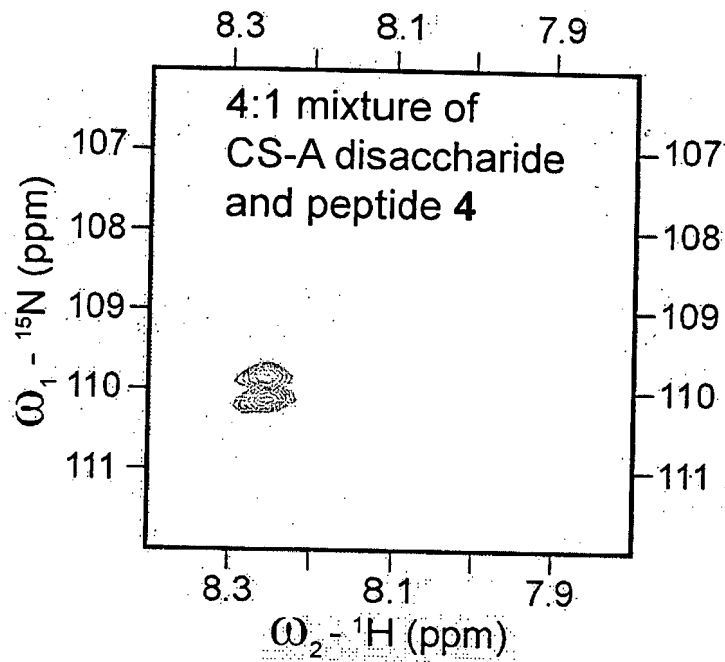
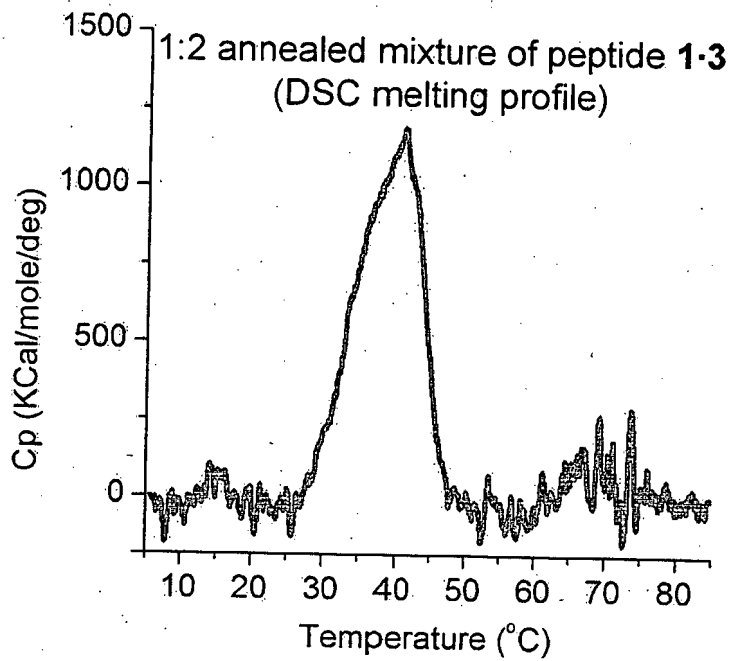


Fig. 8D



12/29

Fig. 9A

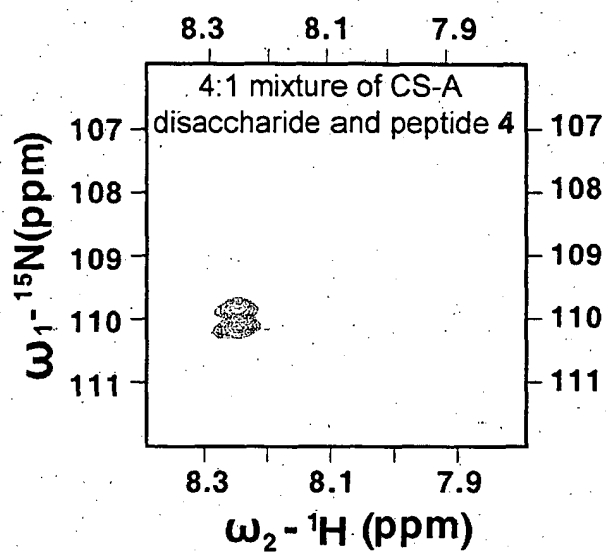
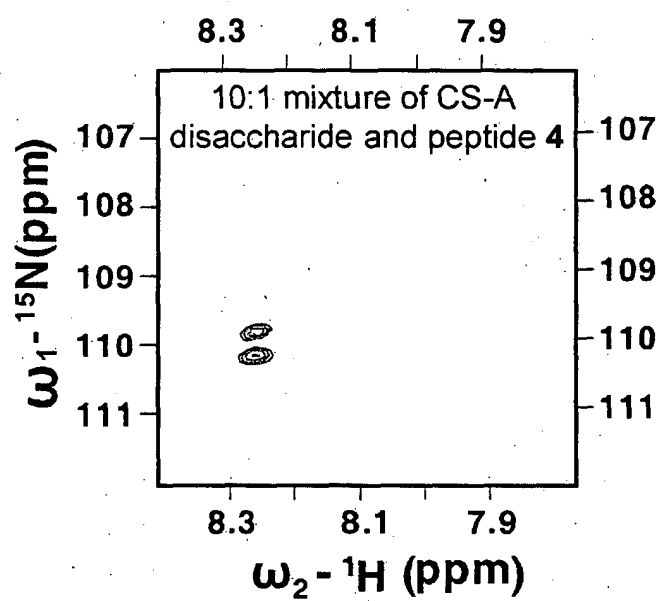
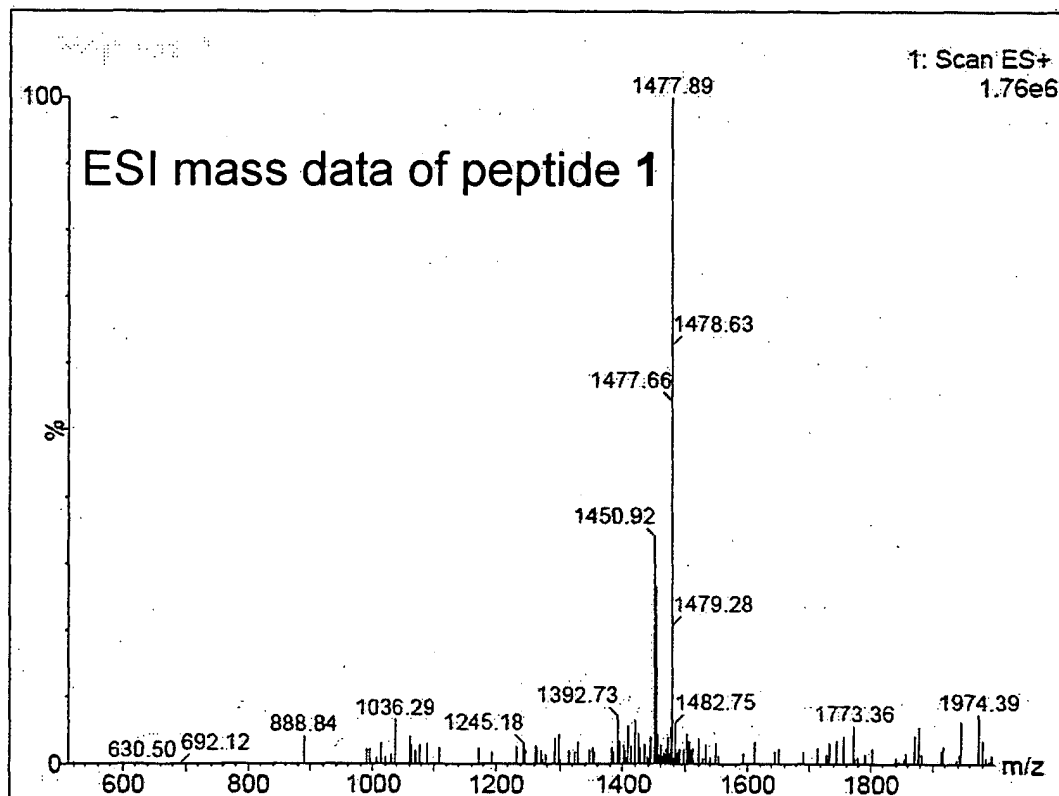
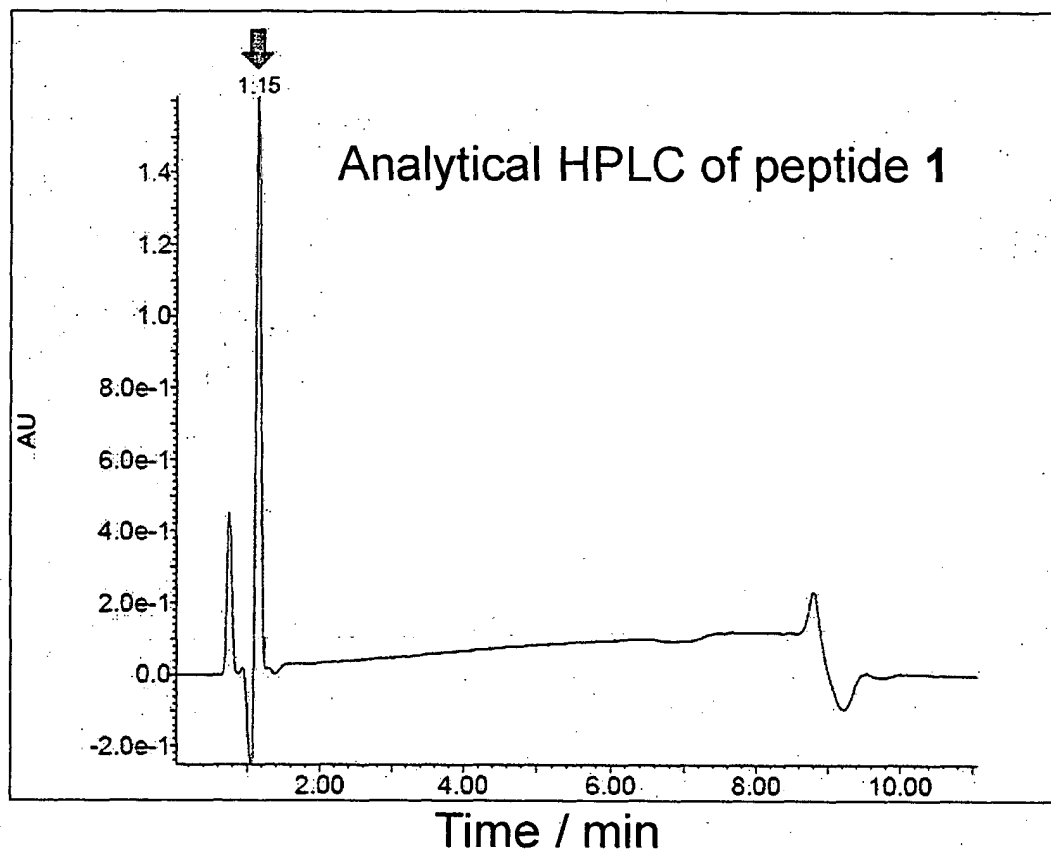


Fig. 9B



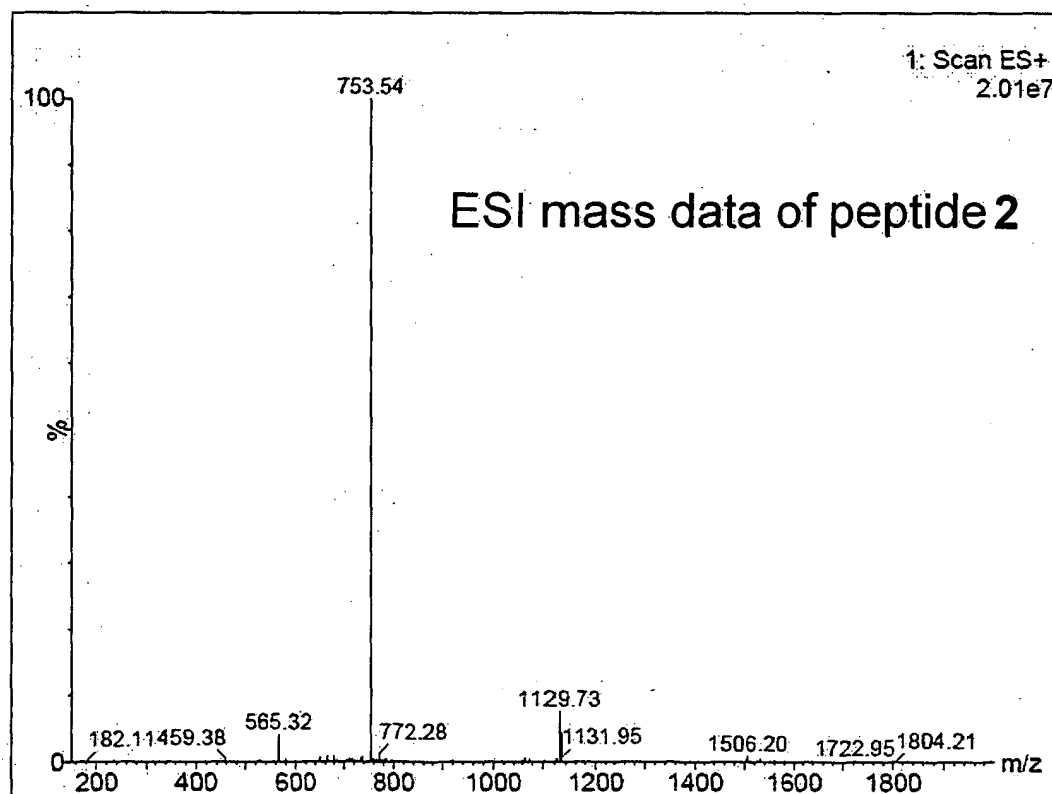
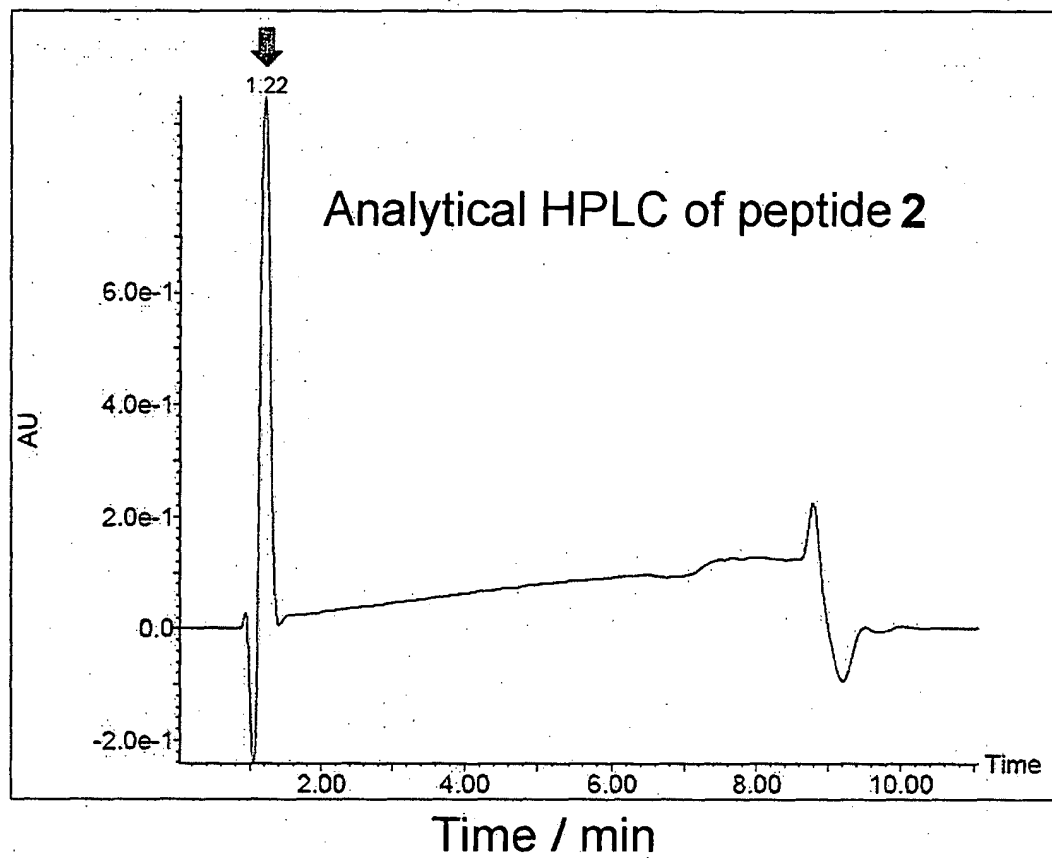
13/ 29

Fig. 10



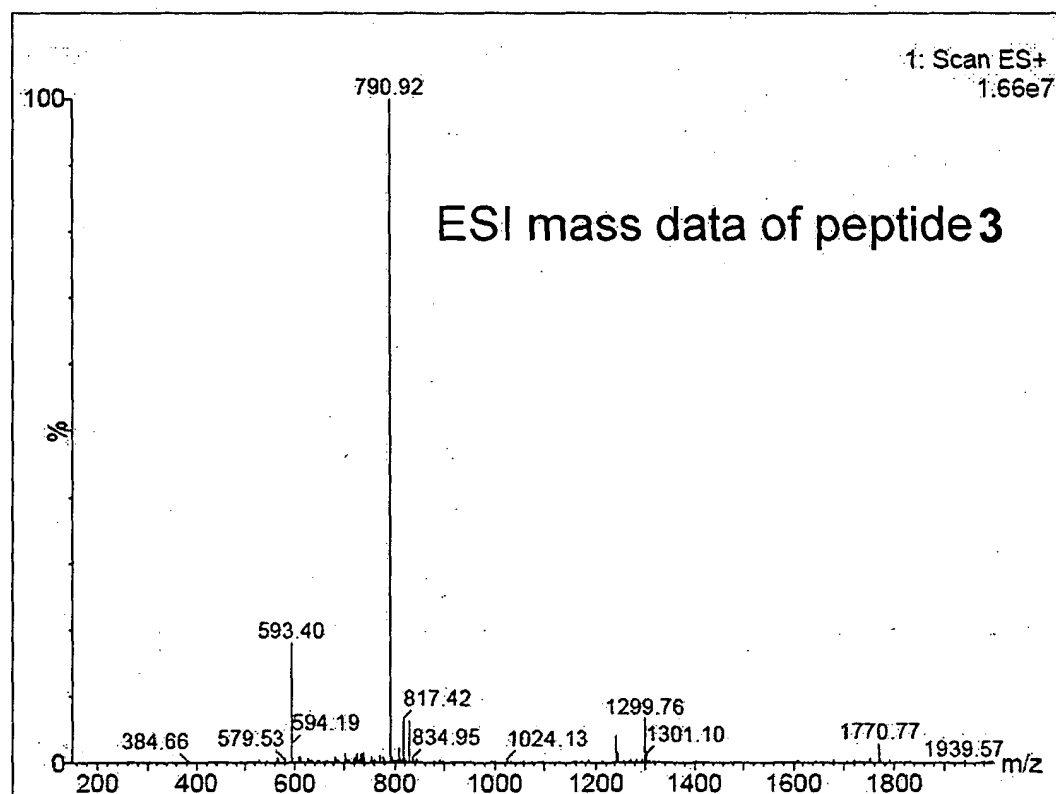
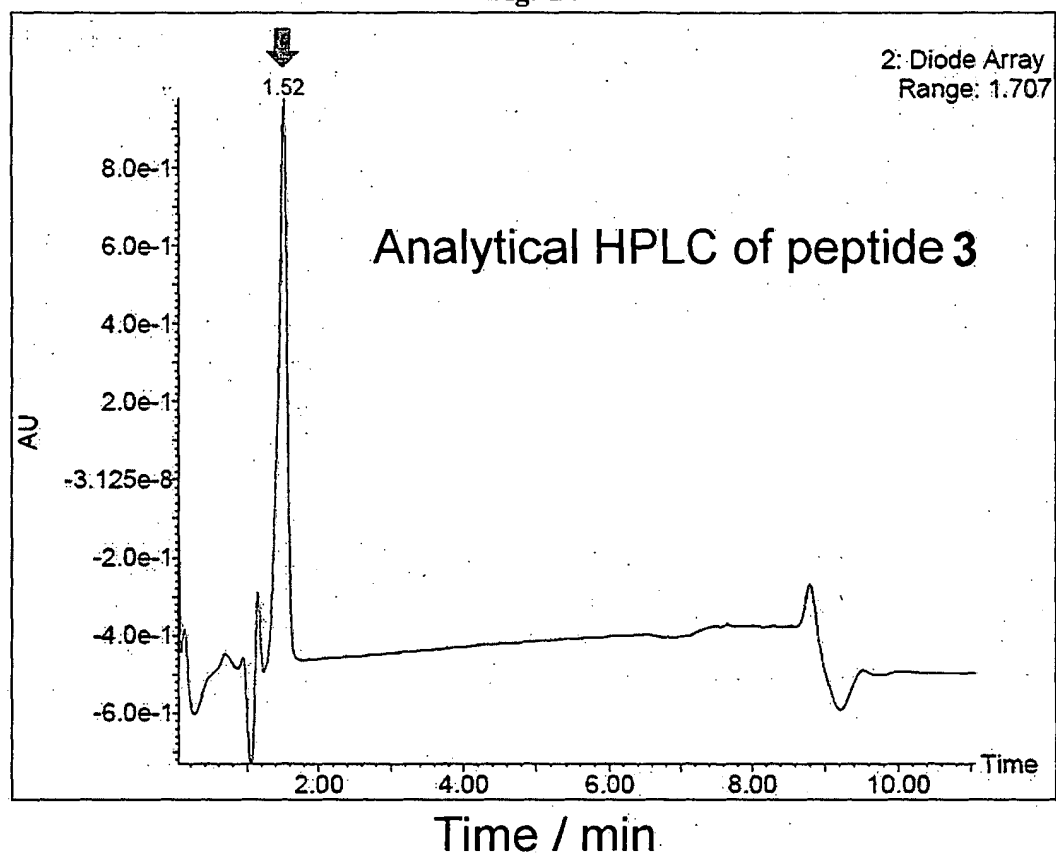
14/29

Fig. 11



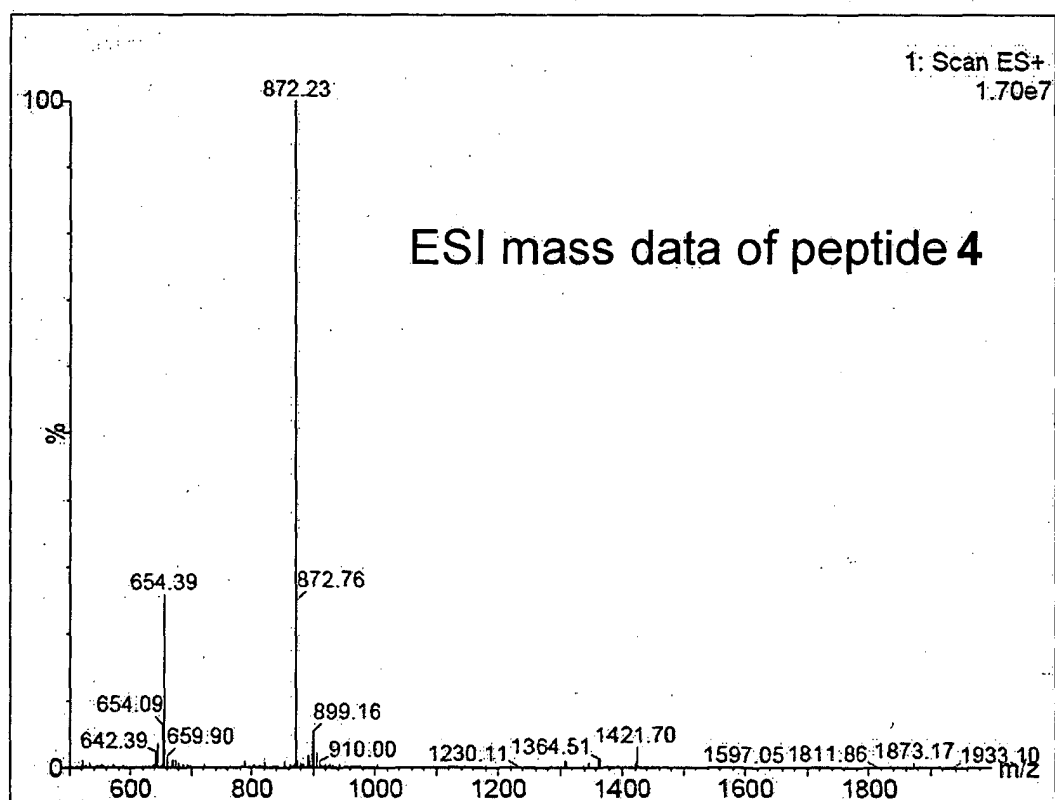
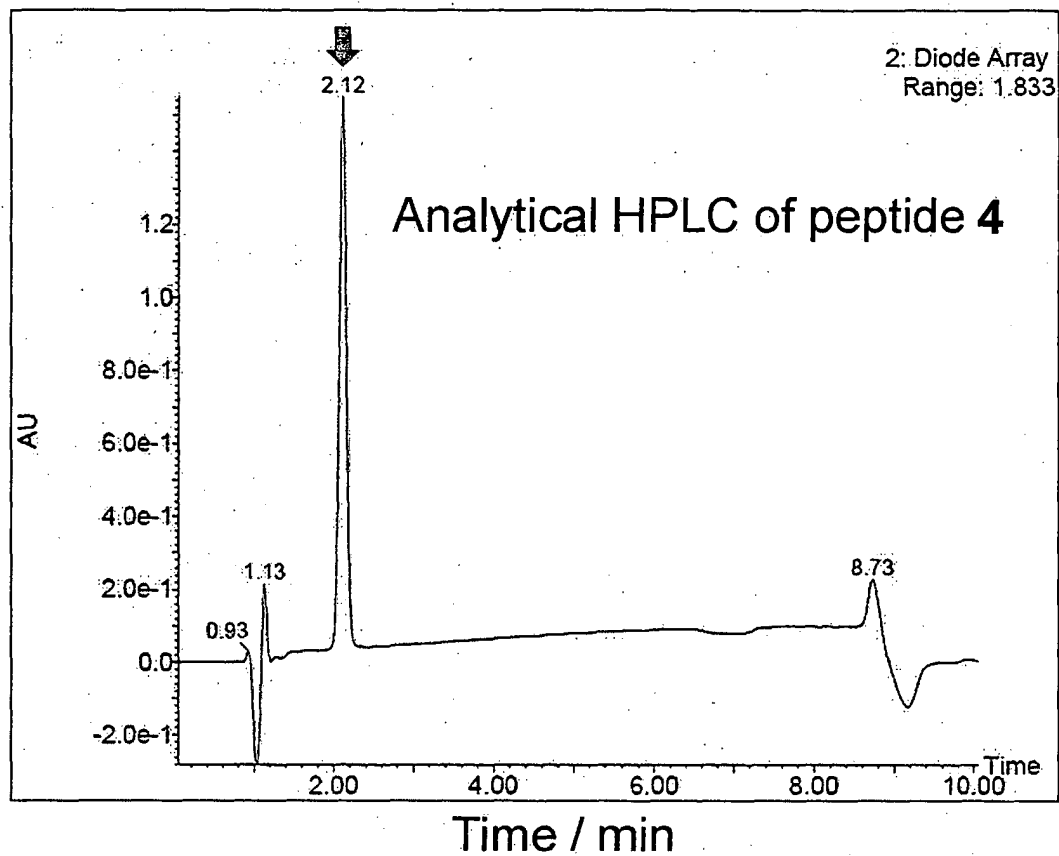
15/ 29

Fig. 12



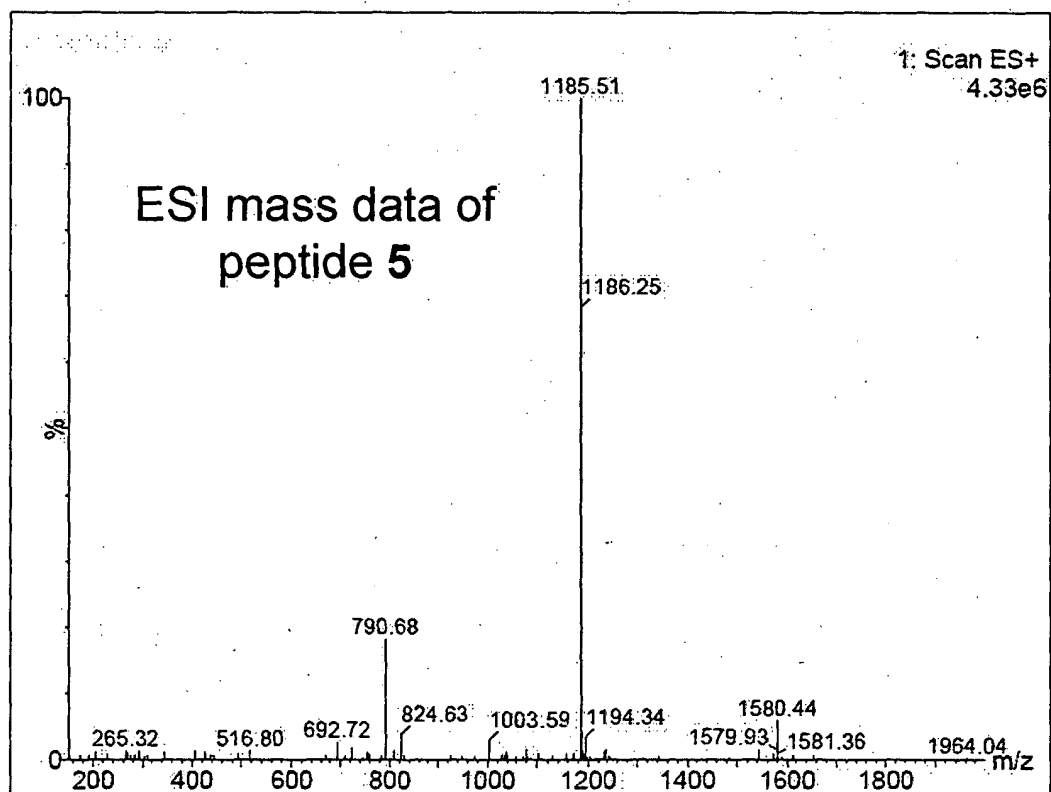
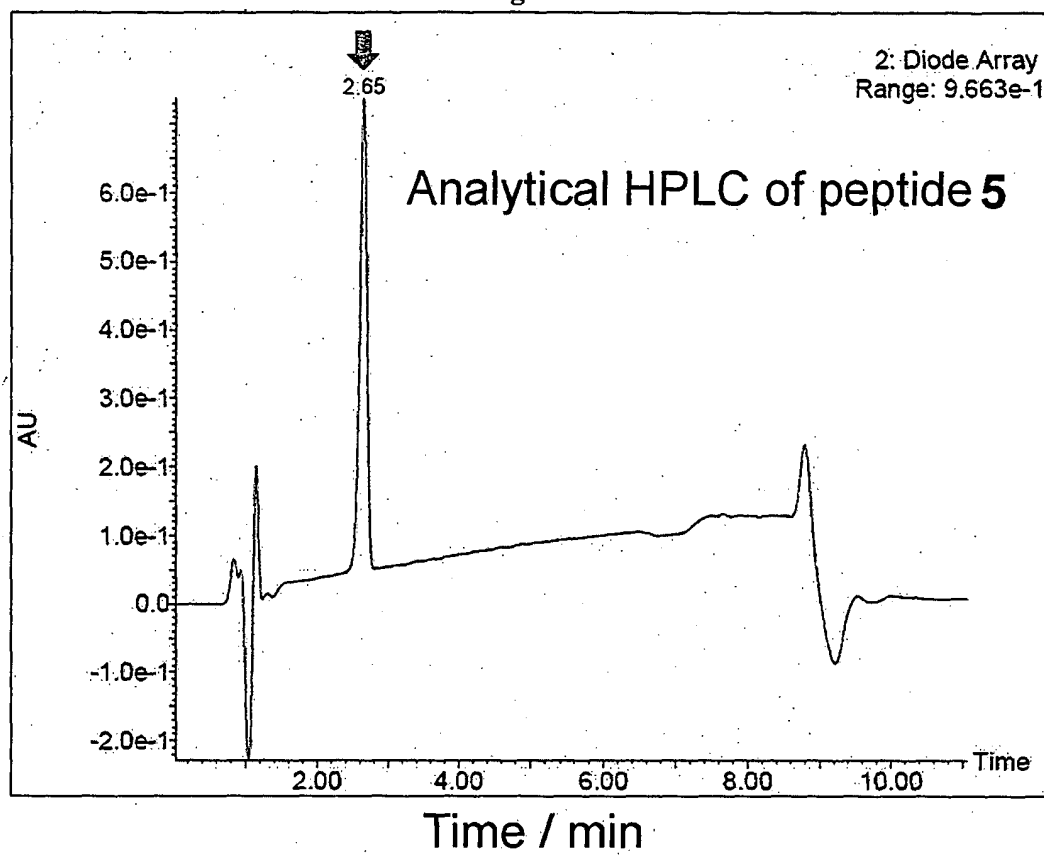
16/29

Fig. 13



17/29

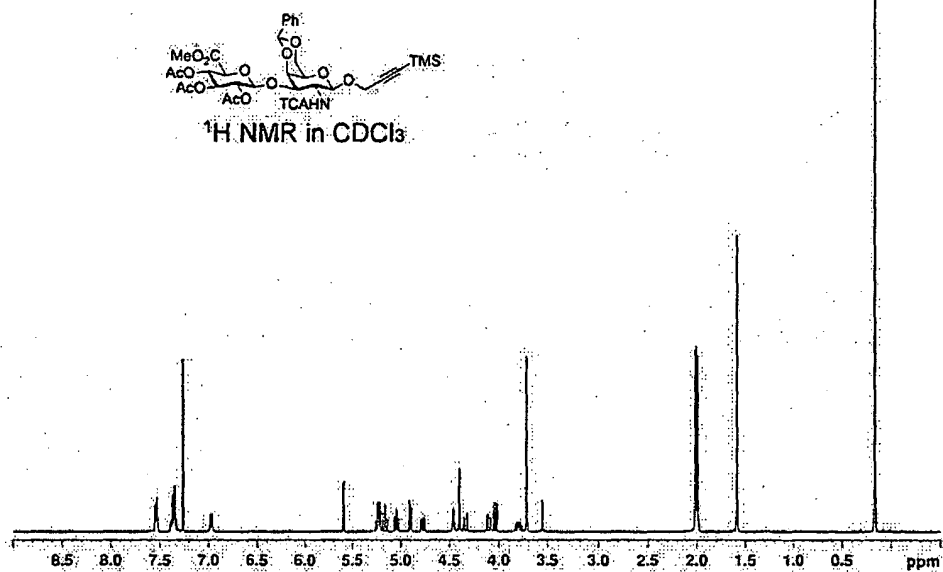
Fig. 14



18/ 29

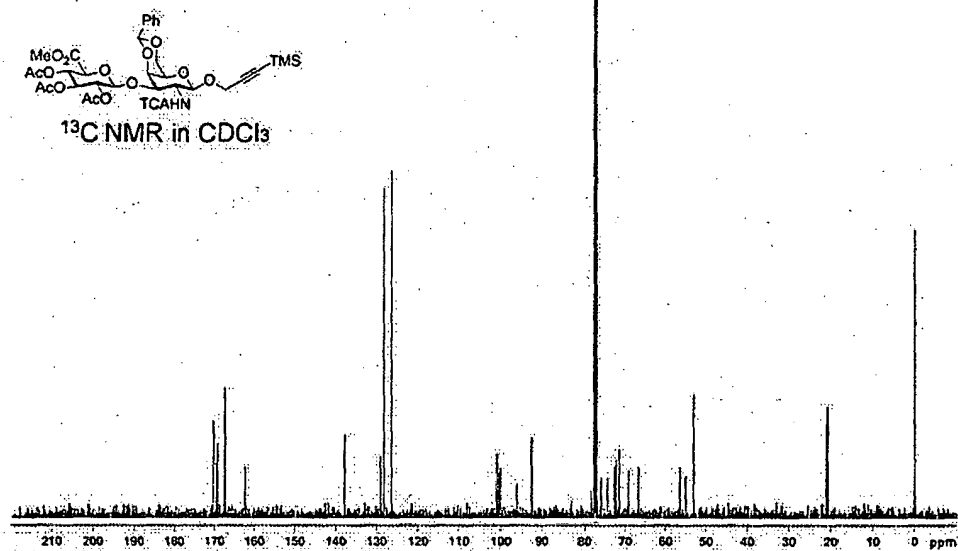
Fig. 15

CS disaccharide 5



19/ 29

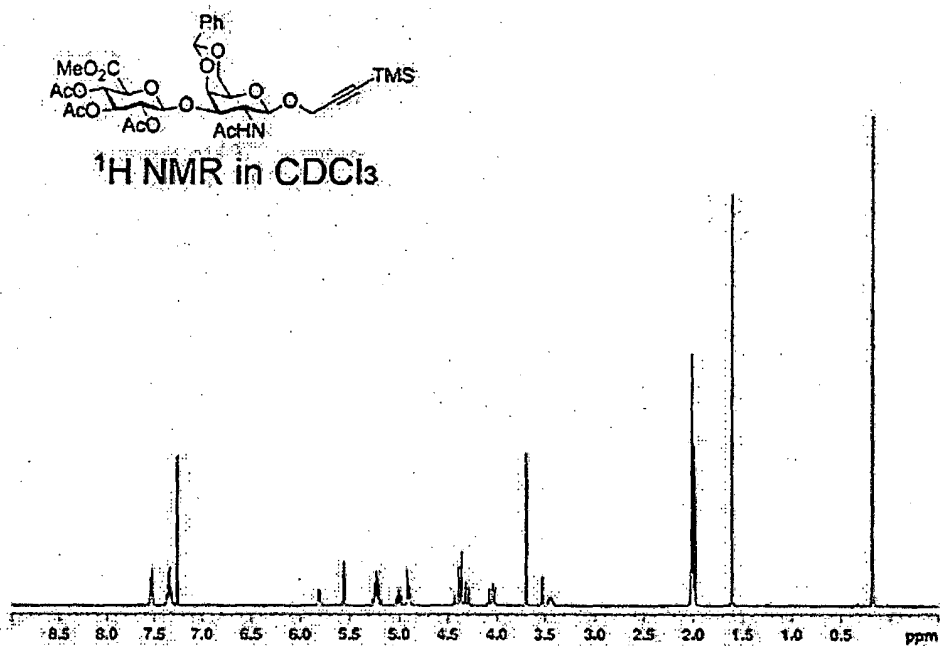
Fig. 16

CS disaccharide **5**

20/ 29

Fig. 17

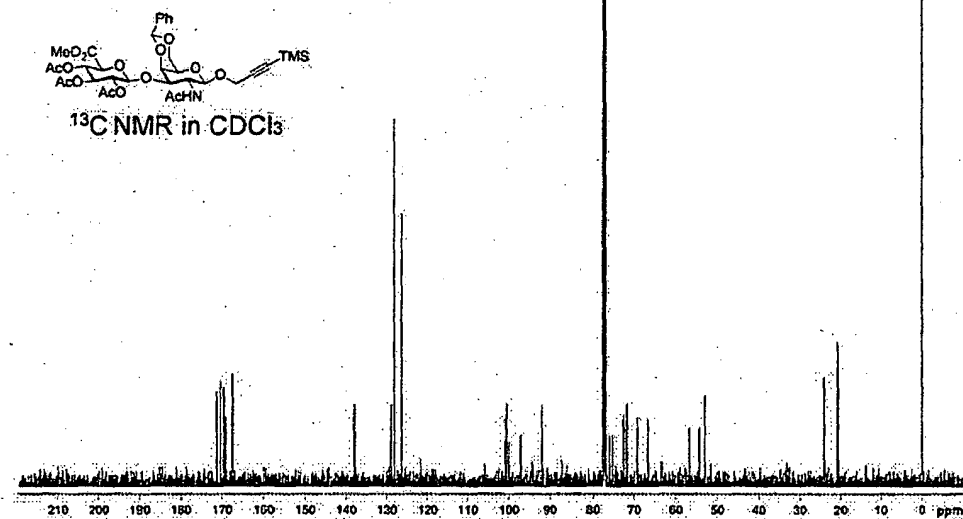
CS disaccharide 6



21/29

Fig. 18

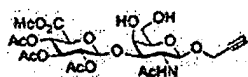
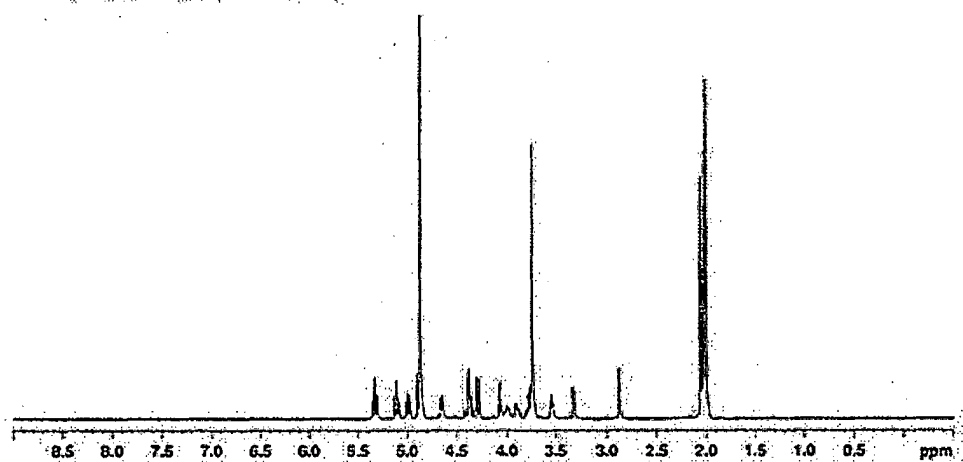
CS disaccharide 6



22/ 29

Fig. 19

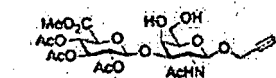
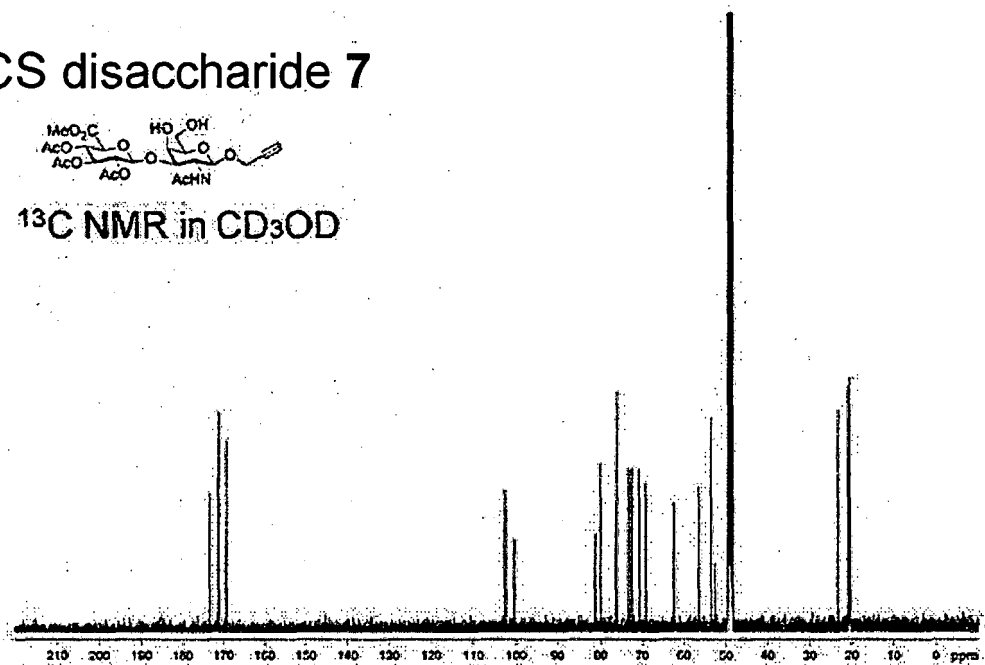
CS disaccharide 7

¹H NMR in CD₃OD

23/ 29

Fig. 20

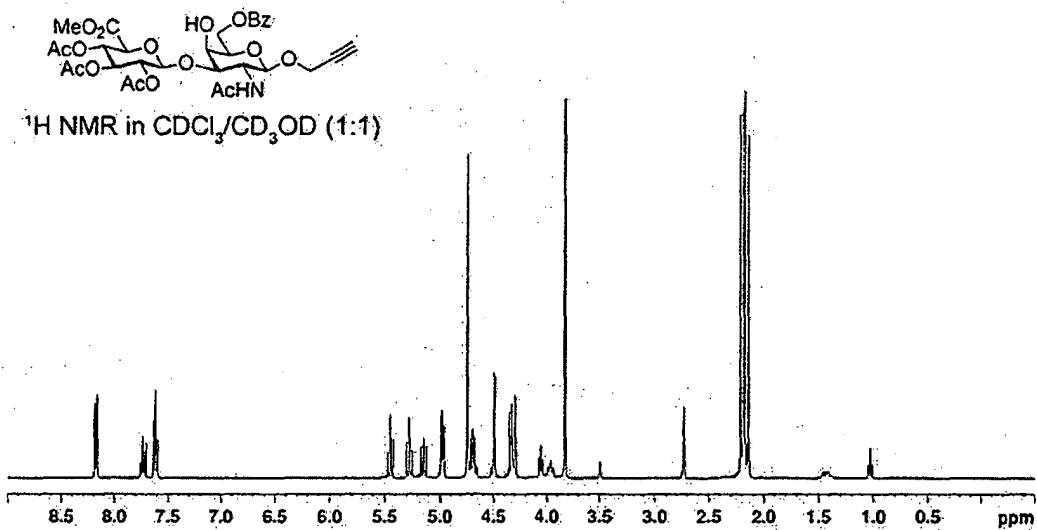
CS disaccharide 7

¹³C NMR in CD₃OD

24/ 29

Fig. 21

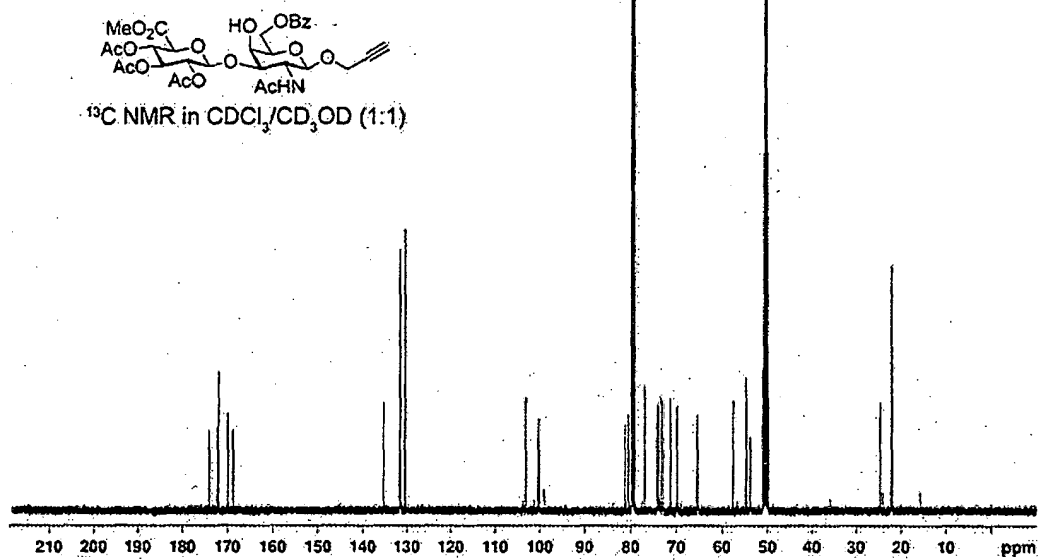
CS disaccharide 8



25/ 29

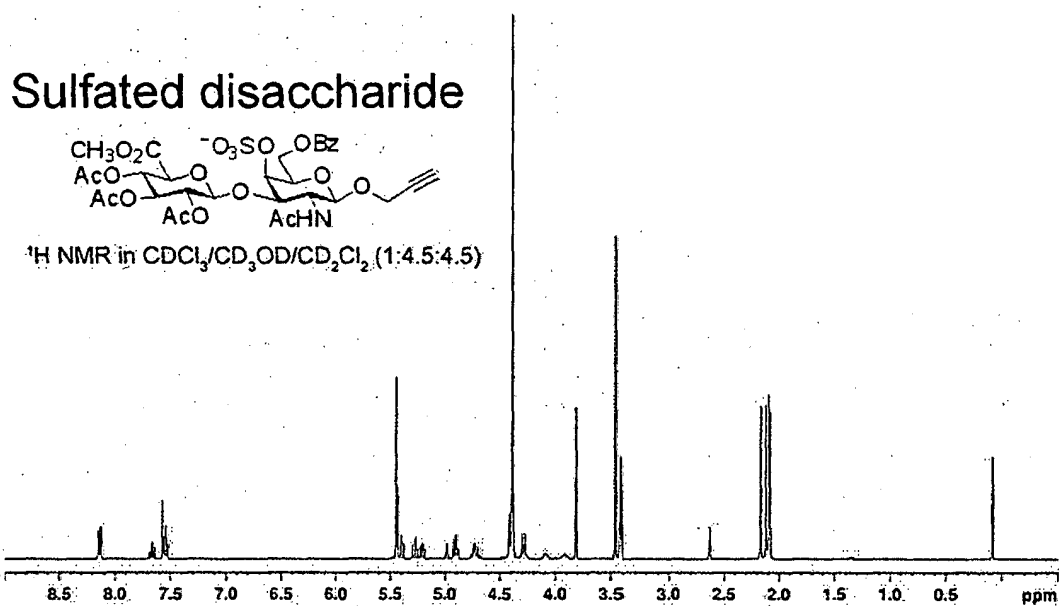
Fig. 22

CS disaccharide 8



26/ 29

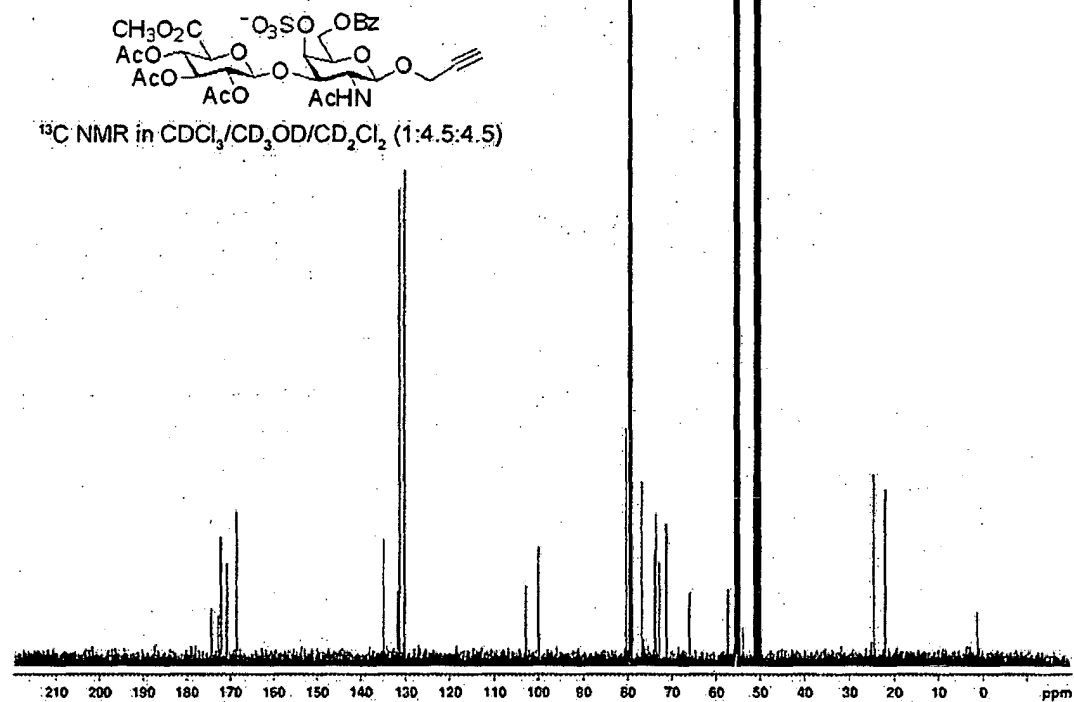
Fig. 23



27/29

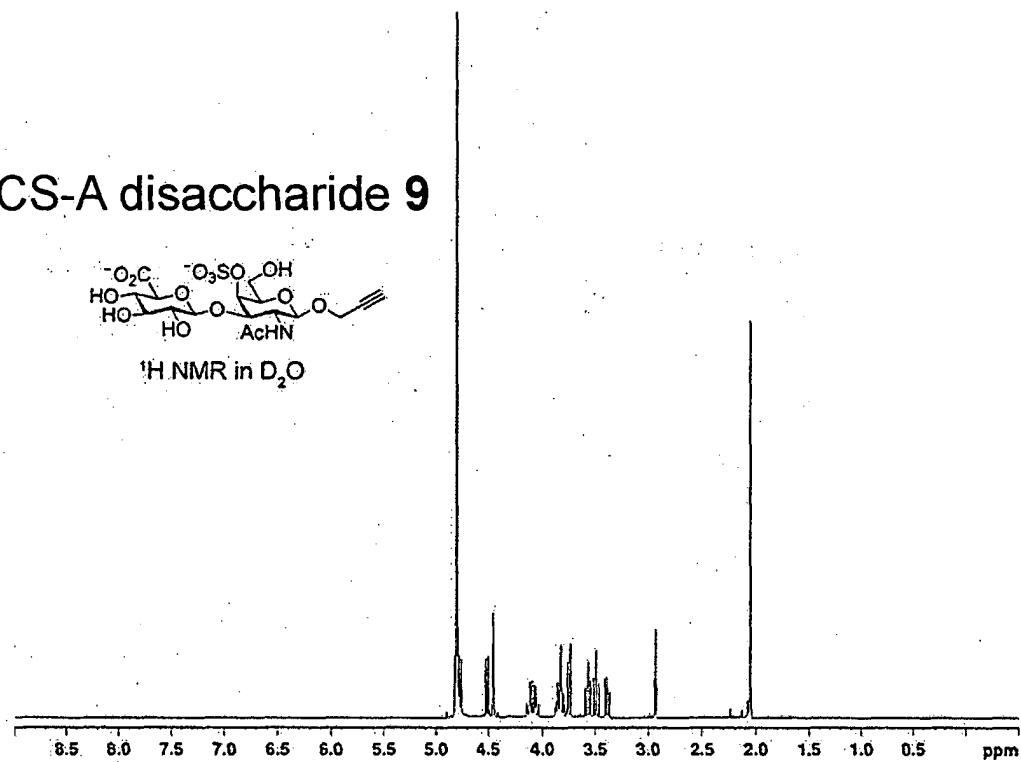
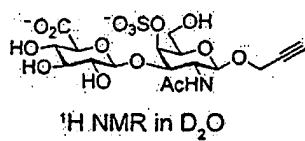
Fig. 24

Sulfated disaccharide



28/ 29

Fig. 25

CS-A disaccharide **9**

29/ 29

Fig. 26

CS-A disaccharide 9

