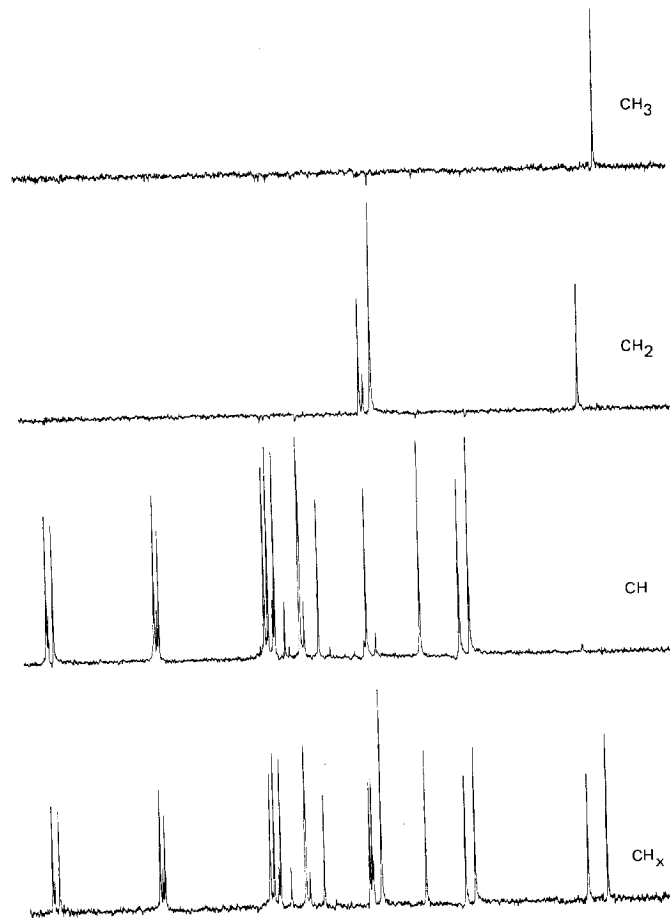


Trisaccharide Gentamycin



The 75.6 MHz spectrum is shown with DEPT spectra

- (a) How many methylene groups are there?
- (b) How many quaternary C-atoms are there?
- (c) What would the INEPT spectrum show for the three signals with the smallest chemical shift? Why is the DEPT experiment superior?
- (d) Could we not simply do an off-resonance decoupling experiment or a gated resonance experiment to get the same information? So why bother with the DEPT? There is a reason of course. Think about it.