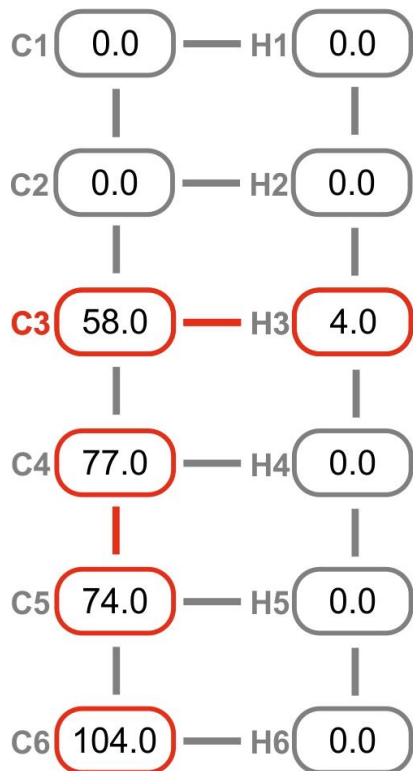


Example



Explanation

0.0	4.0
Unknown chemical shift	Known chemical shift
C1 C2 C3	C1 C2 C3
Unknown position	Known position

C6 104.0 Carbon at unknown position has chemical shift 104 ppm

C4 77.0
C5 74.0

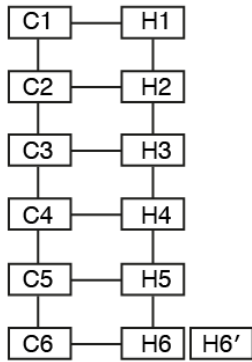
77 ppm and 74 ppm carbons occupy neighboring positions, but their exact position is unknown

Hydrogen attached to C₃ has 4 ppm chemical shift

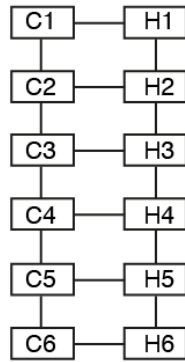
C3 58.0 — H3 4.0

C₃ = 58 ppm

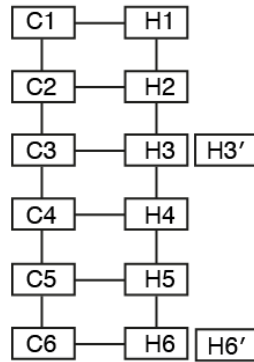
Hexose as we use it



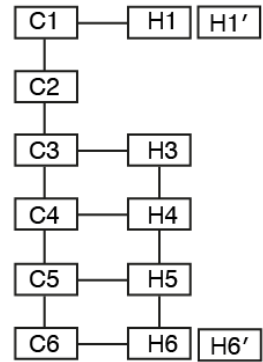
6-Deoxy Hexose like Fuc



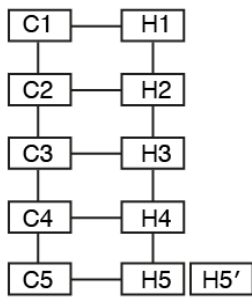
3-Deoxy Hexose



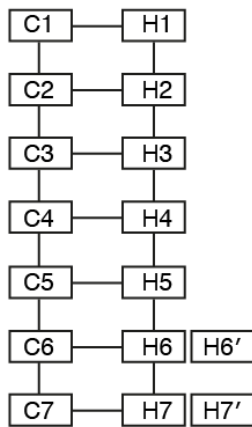
Hexose, no H2, 2xH1



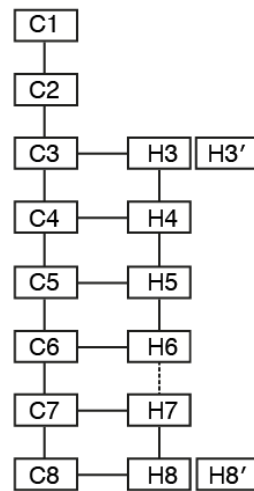
Pentose



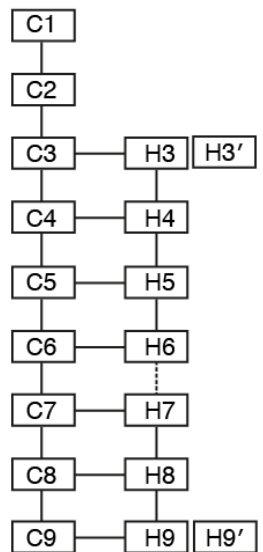
Heptose (2xH6, 2xH7)



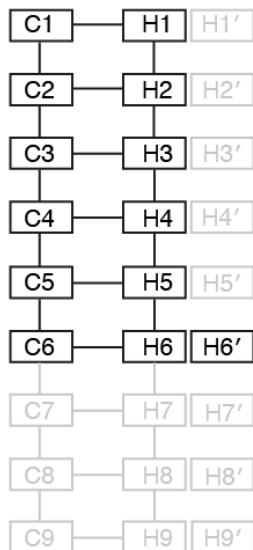
2-Keto-octose



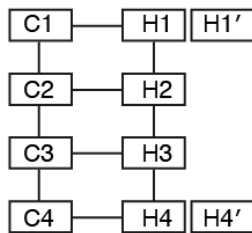
Sialic acid



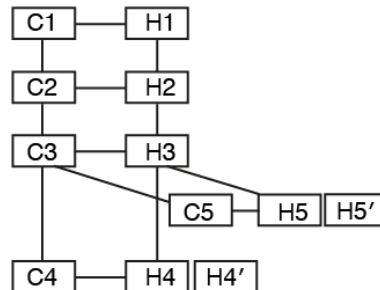
General input



Tetrose



Tetraose (branched with CH₂OH)



Triose

