

Organic Chemistry for Health Sciences

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Homework-1

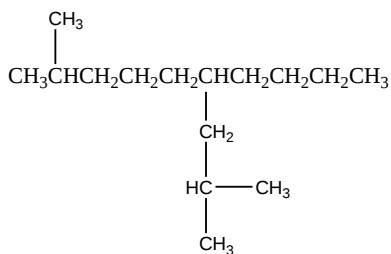
1. Draw all resonance structures (included the hydride resonance structure) of SO_4^{2-} .

2. Calculate the formal charges of the underlined atoms in the following compounds:
Hint: draw the lewis structures of these compounds.

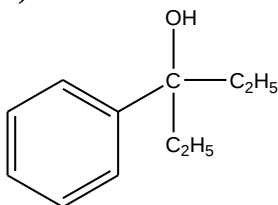


3. Draw the line-angle formulas of the following compounds:

a)

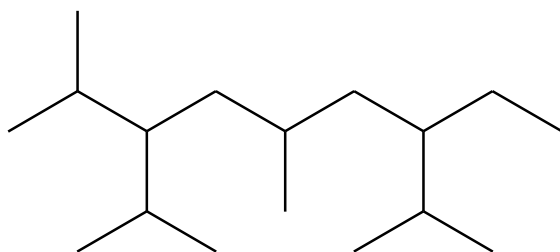


b)

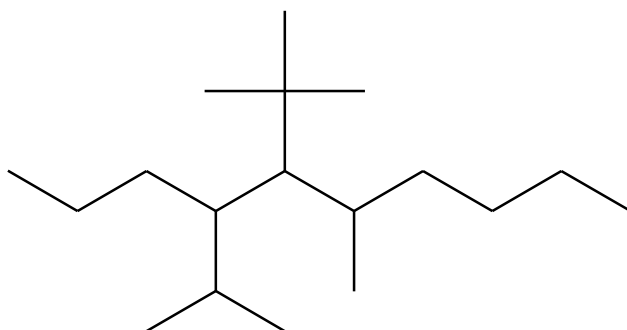


4. Name the following compounds:

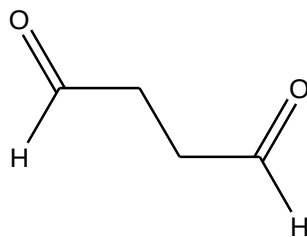
a)



b)



5. Draw the most and the least stable conformations of the following compound:



6. Write the mechanism of the following reaction:

