

CHEM HELP *ASAP*

Organic Chemistry Problem Set Solutions

Naming Carbonyl Compounds

Instructions: The molecules below contain various types of carbonyl functional groups. Provide IUPAC names for these structures.

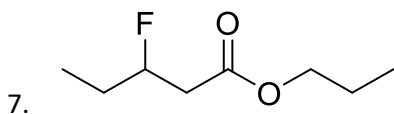
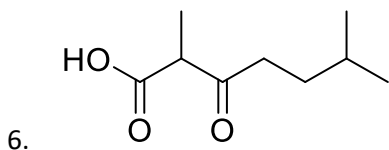
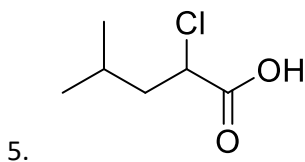
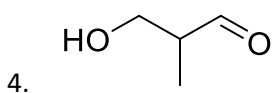
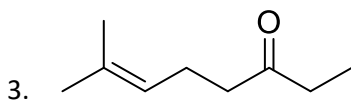
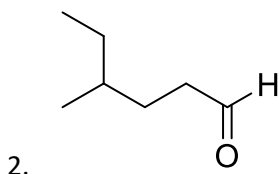
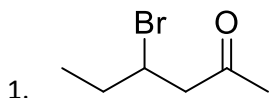
Suggested playlist:

<https://www.youtube.com/watch?v=64az5TxVD4w&list=PLlzSRqjN72jcniv1C0tyWqipE4pG7TE6>

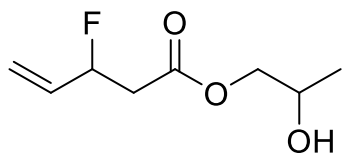
YouTube video of answered questions:

<https://youtu.be/IAyUGdKNFZI>

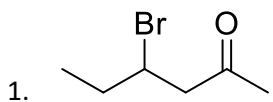
Questions:



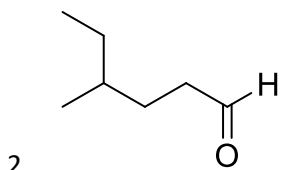
8.



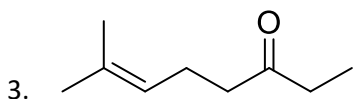
Solutions:



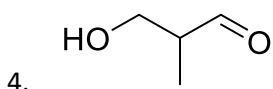
4-bromo-2-hexanone



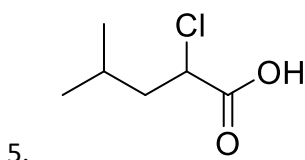
4-methylhexanal



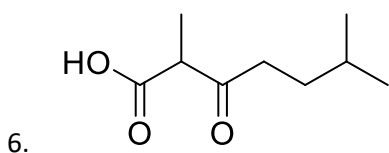
7-methyl-6-octen-3-one



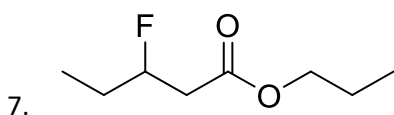
3-hydroxy-2-methylpropanal



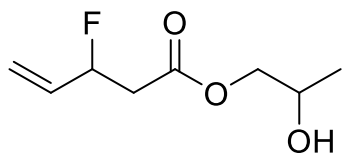
2-chloro-4-methylpentanoic acid



2,6-dimethyl-3-oxoheptanoic acid



propyl 3-fluoropentanoate



8.

2-hydroxypropyl 3-fluoro-4-pentenoate