

Naming Of Organic Compounds Assignment

I. Write the structures of the following compounds:

- 3,4,4-Trimethylohex-1-yne
- 1-Ethylcyclohexane
- 3-Methyl-3-buten-1-ol
- But-2-enoic acid
- 3-Bromo-3-ethyl-2-methyl-1-pentanol
- But-1-en-3-yne
- 3-hydroxy-4-methyl-4-pentenenitrile
- 3-Ethoxy-2-propanol.

Write IUPAC names of the following compounds:

- $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOH}$
- $\text{CH}_3\text{CH}_2\text{CHO}$
- $\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{CH}_3)_2$
- CHOCHO
- $(\text{CH}_3)_2\text{CHCH}_2\text{CHO}$
- CH_3COCOOH
- $\text{CH}_3\text{CONHC}_2\text{H}_5$
- $\text{HC CH}=\text{CHCH}_3$
- $\text{CH}_3\text{CH}(\text{Cl})\text{CH}(\text{Cl})_2\text{CH}_2\text{OH}$