

1. Write structural formulas for the following compounds.

Ethyl isopropyl ether

di-n-butyl ether

2-ethoxyoctane

divinyl ether

allyl methyl ether

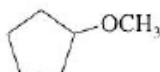
(2R, 3S)-2-methoxy-3-pentanol

2. Give common names for the following compounds.

$(\text{CH}_3)_2\text{CH-O-CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$

$(\text{CH}_3)_3\text{C-O-CH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$

Ph-O-CH<sub>2</sub>CH<sub>3</sub>



3. Give IUPAC names for the following compounds

$\text{CH}_3\text{OCH}(\text{CH}_3)\text{CH}_2\text{OH}$

PhOCH<sub>2</sub>CH<sub>3</sub>

