

Write the names of reagents and equations for the preparation of the following ethers by Williamson's synthesis:

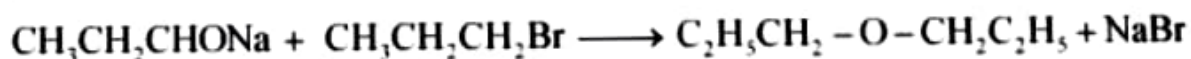
(i) 1-Propoxypropane

(ii) Ethoxybenzene

(iii) 2-Methoxy-2-methylpropane

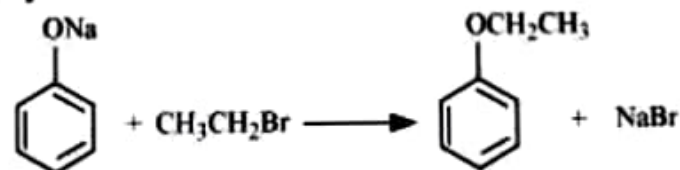
(iv) 1-Methoxyethane

Answer



(i) Sodium propoxide    1-Bromopropane                      1- Propoxypropane

(ii)

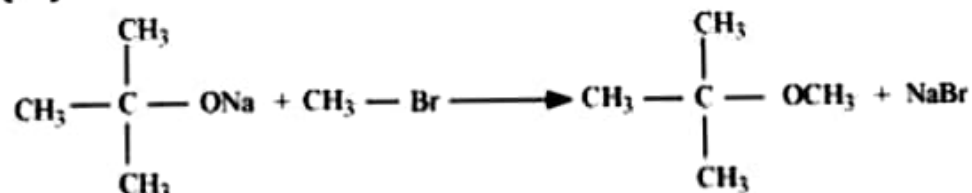


Sodium  
phenoxide

Bromoethane

Ethoxybenzene

(iii)



Sodium 2 - methyl  
- 2 - propoxide

Bromomethane

2 - methoxy - 2 - methylpropane

(iv)



Sodium ethoxide    Bromomethane

1-Methoxyethane