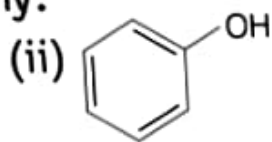
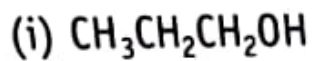


0 Which of the following compounds (i) and (ii) will not react with a mixture of NaBr and H_2SO_4 . Explain why?



Partial double bond character of a bond increases the strength of the bond and hence, decreases the stability. Phenol will not react with a mixture of NaBr and H_2SO_4 because it is resonance stabilised. Due to resonance, partial double bond character arises in C — O bond of phenol and it becomes more stable than alcohol ($\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$).

