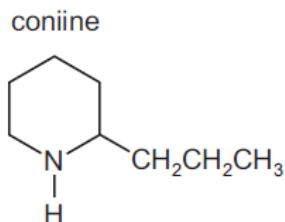
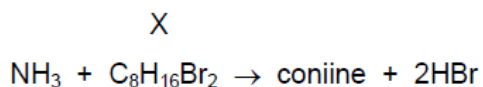


1. June/2022/Paper_12/No.32

The structure of coniine is shown.



Coniine can be synthesised by reacting ammonia with a dibromo compound, X.

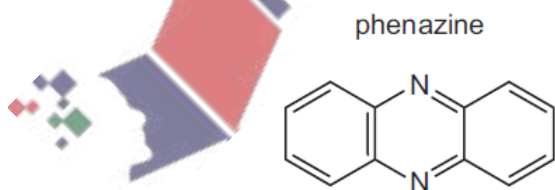


What is compound X?

- A 1,1-dibromo-2-propylcyclopentane
- B 1,2-dibromo-2-propylcyclopentane
- C $\text{Br}(\text{CH}_2)_3\text{CHBr}(\text{CH}_2)_3\text{CH}_3$
- D $\text{Br}(\text{CH}_2)_4\text{CHBr}(\text{CH}_2)_2\text{CH}_3$

2. June/2022/Paper_13/No.27

The diagram shows the skeletal formula of phenazine.



What is the empirical formula of phenazine?

- A $\text{C}_6\text{H}_4\text{N}$
- B $\text{C}_6\text{H}_6\text{N}$
- C $\text{C}_{12}\text{H}_8\text{N}_2$
- D $\text{C}_{12}\text{H}_{12}\text{N}_2$