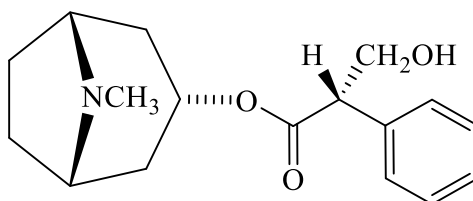


Marks
4

- The tropane alkaloid (–)-hyoscyamine is found in certain plants of the *Solanaceae* family. It is an anticholinergic agent that works by blocking the action of acetylcholine at parasympathetic sites in smooth muscle, secretory glands and the central nervous system.



Give the molecular formula of (–)-hyoscyamine.



List the functional groups present in (–)-hyoscyamine.

Tertiary amine, ester, primary alcohol and aromatic ring.