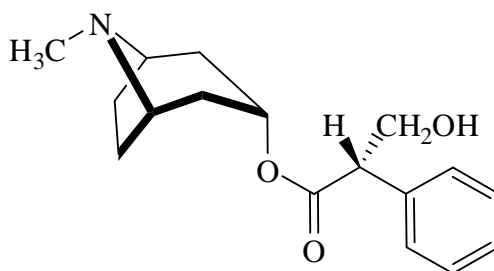


- The tropane alkaloid (-)-hyoscyamine is found in certain plants of the *Solanaceae* family. It is an anticholinergic agent that works by blocking the action of acetylcholine at parasympathetic sites in smooth muscle, secretory glands and the central nervous system.



Give the molecular formula of (-)-hyoscyamine.

C₁₇H₂₃O₃N

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

amine, alcohol, ester, aromatic ring (arene)