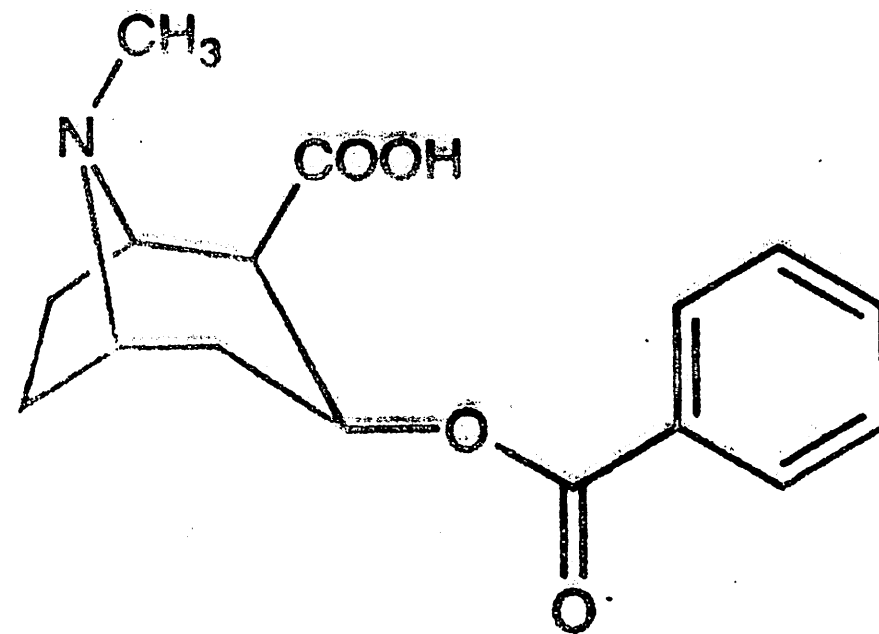


1146. Benzoyl ecgonine. 3-(Benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]octane-2-carboxylic acid; 3 β -hydroxy-1 α H-5 α H-tropane-2 β -carboxylic acid benzoate; ecgonine benzoate. $C_{16}H_{19}NO_4$; mol wt 289.33. C 66.42%, H 6.62%, N 4.84%, O 22.12%. Cocaine metabolite. Isoln from coca leaves: De Jong, *Rec. Trav. Chim.* 42, 980 (1923). Prepn from l-ecgonine and benzoic anhydride: *idem, ibid.* 66, 544 (1947).



Tetrahydrate, orthorhombic prisms or needles from water, mp 86-92° (dec 195°, dry). $[\alpha]_D^{25} -45^\circ$ (c = 3 in abs alc). Soluble in alc, hot H₂O.