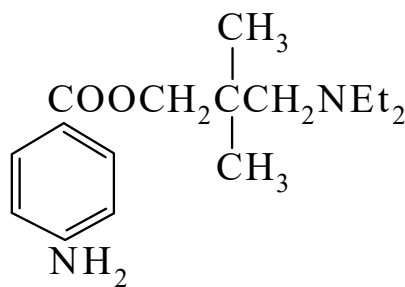




>>Entry Name: Dimethocaine

Synonym(s): 3-(Diethylamino)-2,2-dimethyl-1-propanol 4-aminobenzoate ester, 9Cl. Laracaine



CAS Registry Number: 94-15-5

Type of Compound Code(s): XA0600 XA3130

Molecular Formula: C₁₆H₂₆N₂O₂

Molecular Weight: 278.394

Accurate Mass: 278.199428

Percentage Composition: C 69.03%; H 9.41%; N 10.06%; O 11.49%

Use/Importance: Antimuscarinic agent. Local anaesthetic, more active than cocaine

Calculated Log P Data: Log P 2.97 (calc)

>>Derivative: Hydrochloride

CAS Registry Number: 553-63-9

Physical Description: Minute cryst. or powder, or fine leaflets

Melting Point: Mp 196-197°

Solubility: Sol. H₂O, spar. sol. EtOH, Et₂O

Other Data: Bitter taste

References:

Mannich, C. *et al.*, *Ber.*, 1932, **65**, 378, (*synth*)

Buechi, J. *et al.*, *Arzneim.-Forsch.*, 1966, **16**, 1657, (*use*)

Neville, G.A., *Can. Spectrosc.*, 1969, **14**, 44, (*pmr*)

Sharkey, J. *et al.*, *J. Pharmacol. Exp. Ther.*, 1988, **246**, 1048, (*pharmacol*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DNY000