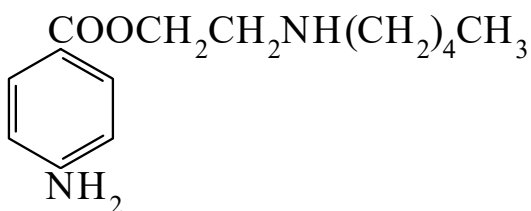




>>Entry Name: Naepaine

Synonym(s): 2-(Pentylamino)ethanol 4-aminobenzoate, gCl. Amalcaine. Amylcaine. Amylsine. Naopaine



CAS Registry Number: 2188-67-2

Molecular Formula: C<sub>14</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 250.34

Accurate Mass: 250.168128

Percentage Composition: C 67.17%; H 8.86%; N 11.19%; O 12.78%

Use/Importance: Local anaesthetic

Melting Point: Mp 66°

Calculated Log P Data: Log P 3 (calc)

Other Data: Used mainly as hydrochloride

>>Derivative: Hydrochloride

CAS Registry Number: 614-42-6

Physical Description: Rectangular plates or rods, bitter-tasting

Melting Point: Mp 153.5°. Mp 176° (dimorph.)

Hazard & Toxicity: LD<sub>50</sub> (mus, scu) 125 mg/kg

References:

Goldberg, S.D. *et al.*, *J.A.C.S.*, 1937, **59**, 2280, (*synth, tox, pharmacol*)

Kreider, H.R. *et al.*, *J.A.C.S.*, 1942, **64**, 1227, (*struct*)

Buechi, J. *et al.*, *Arzneim.-Forsch.*, 1964, **14**, 161; 1966, **16**, 1657, (*props*)

Norris, W.R. *et al.*, *J. Pharm. Sci.*, 1965, **54**, 995, (*derivs*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, PBV750