Percentage Composition: C 71.46%; H 8.99%; N 5.95%; O 13.60%
Use/Importance: Local anaesthetic
Calculated Log P Data: Log P 3.37 (calc)

>>**Derivative:** *N*-Propyl, *O*-benzoyl; hydrochloride
Synonym(s): Meprylcaine hydrochloride, USAN**.** Oracaine. Marvacaine. Meprocaine

CAS Registry Number: 956-03-6
Physical Description: Cryst. (2-propanol)
Melting Point: Mp 150-152°
Hazard & Toxicity: LD_{50} (mus, scu) 262 mg/kg

Sigma: M4281

>>**Derivative:** *N*-Benzyl

CAS Registry Number: 10250-27-8
Molecular Formula: $C_{11}H_{17}NO$
Molecular Weight: 179.261
Accurate Mass: 179.131014
Percentage Composition: C 73.70%; H 9.56%; N 7.81%; O 8.93%
Physical Description: Cryst. (cyclohexane)
Melting Point: Mp 54-56°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 539B, *(nmr)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 425D, *(ir)*
Aldrich Library of Infrared Spectra, 3rd edn., 1981, 198C, *(ir)*
Johnson, K. *et al.*, *J.O.C.*, 1943, **8**, 7, *(synth)*
U.S. Pat., 1946, 2 404 319; *CA*, **40**, 62144, *(Bufylline)*
U.S. Pat., 1956, 2 767 207; *CA*, **51**, 583f, *(Meprylcaine)*
Thompson, W.E. *et al.*, *J. Pharm. Sci.*, 1965, **54**, 1819, *(ir, derivs)*
Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1967, **1**, 37; 1972, **3**, 14; 1977, **6**, 20; 368; 1974, **4**, 540, *(use)*
Leonard, N.J. *et al.*, *J.O.C.*, 1967, **32**, 3607, *(N,N-di-Me)*
Lichter, R.L. *et al.*, *J.A.C.S.*, 1972, **94**, 2495, *(nmr)*
Sameski, J.E. *et al.*, *Anal. Chem.*, 1975, **47**, 2116, *(cmr)*
Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **2**, 26, *(rev, use, tox)*
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1015
Urleb, U. *et al.*, *Synth. Commun.*, 1994, **24**, 1415, *(N-benzyl, synth)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, IIA000; OJI600