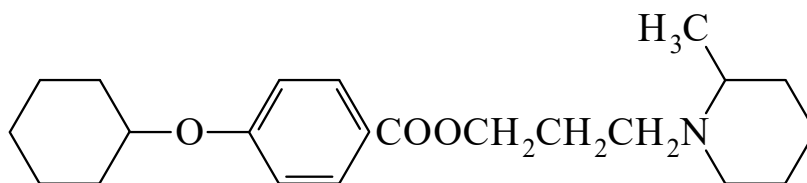




>>Entry Name: Cyclomethycaine, BAN, INN

Synonym(s): 3-(2-Methyl-1-piperidiny)propyl 4-(cyclohexyloxy)benzoate, 9CI. 3-(2-Methylpiperidino)propyl *p*-cyclohexyloxybenzoate. Cainasurfa. **Cyclocaine**‡. Surfacaine. Surfathesin. Topocaine



CAS Registry Number: 139-62-8

Related CAS Registry Numbers(s): 50978-10-4

Molecular Formula: C₂₂H₃₃NO₃

Molecular Weight: 359.508

Accurate Mass: 359.246044

Percentage Composition: C 73.50%; H 9.25%; N 3.90%; O 13.35%

Use/Importance: Topical anaesthetic

Development Status: No longer marketed

Calculated Log P Data: Log P 6.07 (calc)

>>Variant: (±)-form

Molecular Formula: C₂₂H₃₃NO₃

Molecular Weight: 359.508

Accurate Mass: 359.246044

Percentage Composition: C 73.50%; H 9.25%; N 3.90%; O 13.35%

>>Derivative: Hydrochloride

CAS Registry Number: 537-61-1

Melting Point: Mp 178-180 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 2340 mg/kg

>>Derivative: Sulfate (2:1)

Synonym(s): Cyclomethycaine sulfate, USAN

CAS Registry Number: 6202-05-7

References:

McElvain, S.M. *et al.*, *J.A.C.S.*, 1946, **68**, 2592, (*synth, pharmacol*)

Schmidt, J.L. *et al.*, *Toxicol. Appl. Pharmacol.*, 1959, **1**, 454, (*pharmacol, tox*)

O'Brien, K.P. *et al.*, *Bull. Narc.*, 1970, **22**, 35, (*ir*)

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