

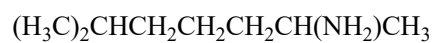


>>Entry Name: 6-Methyl-2-heptylamine

Synonym(s): 1,5-Dimethylhexylamine, 8Cl. 2-Amino-6-methylheptane. **Octodrine**, INN, USAN. Isoctaminium. SKF 51

CAS Registry Number: 543-82-8

Related CAS Registry Numbers(s): 1971-57-9 5984-59-8 70419-10-2 70419-11-3



Molecular Formula: C₈H₁₉N

Molecular Weight: 129.245

Accurate Mass: 129.151749

Percentage Composition: C 74.35%; H 14.82%; N 10.84%

Use/Importance: Vasoconstrictor, local anaesthetic

Calculated Log P Data: Log P 2.69 (calc)

Hazard & Toxicity: LD₅₀ (rat, oral) 538 mg/kg

Aldrich: D16129-2

Fluka: 8469

>>Variant: (±)-form

CAS Registry Number: 5984-58-7

Molecular Formula: C₈H₁₉N

Molecular Weight: 129.245

Accurate Mass: 129.151749

Percentage Composition: C 74.35%; H 14.82%; N 10.84%

Physical Description: Viscous liq.

Boiling Point: Bp 154-156°. Bp₂₈ 62-63°

>>Derivative: *N*-Isopropyl

Synonym(s): Iproheptine, INN

CAS Registry Number: 13946-02-6

Molecular Formula: C₁₁H₂₅N

Molecular Weight: 171.325

Accurate Mass: 171.198699

Percentage Composition: C 77.12%; H 14.71%; N 8.18%

Use/Importance: Antihistamine, nasal decongestant

Boiling Point: Bp₁₅ 75°

Calculated Log P Data: Log P 3.67 (calc)

Rare Chemicals Library: S65495-7

>>Derivative: *N*-Isopropyl; hydrochloride

Synonym(s): Susat

CAS Registry Number: 4013-92-7

Melting Point: Mp 161°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 462C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 288D, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 373D, (ir)

Rohrmann, E. *et al.*, *J.A.C.S.*, 1944, **66**, 1516, (synth)

Ger. Pat., 1952, *Knoll Akt.-Ges.*, 860 055; *CA*, **53**, 5195, (synth)

Ota, Y. *et al.*, *CA*, 1961, **55**, 3825, (synth)

Japan. Pat., 1962, 62 4 853; *CA*, **59**, 446g, (Iproheptine)

Delkers, H.A., *Arzneim.-Forsch.*, 1967, **17**, 25, (pharmacol)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1250

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, IGG300; ILM000