



>>Entry Name: 4-Methyl-2-hexylamine

Synonym(s): 4-Methyl-2-hexanamine, 9Cl. 1,3-Dimethylpentylamine, 8Cl. Forthane

CAS Registry Number: 105-41-9

Extra CAS Registry Numbers(s): 13803-74-2

$\text{H}_3\text{CCH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_3$

Molecular Formula: $\text{C}_7\text{H}_{17}\text{N}$

Molecular Weight: 115.218

Accurate Mass: 115.136099

Percentage Composition: C 72.97%; H 14.87%; N 12.16%

Biological Use/Importance: Sympathomimetic agent, bronchodilator

Physical Description: Liq.

Boiling Point: Bp 130-135°

Density: d 0.76

Refractive Index: n_D^{25} 1.4163 (lit. quotes a range)

Other Data: Props. presumably refer to a mixt. of stereoisomers

References:

Rohrmann, E. *et al.*, *J.A.C.S.*, 1944, **66**, 1516-1520, (*synth*)

U.S. Pat., 1944, *Eli Lilly*, 2 350 318; *CA*, **39**, 1510⁹, (*synth*)

Charlier, R., *Arch. Intern. Pharmacodynamics*, 1950, **83**, 573-584, (*pharmacol*)

Chatten, L.G. *et al.*, *Anal. Chem.*, 1962, **34**, 1495-1501, (*props*)

Hanne, E. *et al.*, *J.A.C.S.*, 1973, **95**, 3710-3718, (*cmr*)

Merck Index, 12th edn., 1996, No. 6159, (*props*)

Gajda, T. *et al.*, *Tetrahedron*, 1997, **53**, 4935-4946, (*synth*, *pmr*)