



>>Entry Name: 1-Iodopentane, 9CI, 8CI

Synonym(s): *n*-Amyl iodide

CAS Registry Number: 628-17-1

$\text{H}_3\text{C}(\text{CH}_2)_3\text{CH}_2\text{I}$

Molecular Formula: $\text{C}_5\text{H}_{11}\text{I}$

Molecular Weight: 198.046

Accurate Mass: 197.990548

Percentage Composition: C 30.32%; H 5.60%; I 64.08%

Biological Source: Isol. from a marine alga

Boiling Point: Bp₂₀ 62°

Density: d_4^{20} 1.517

Hazard & Toxicity: Flammable, fl. p. 47°. LD₅₀ (rat, ipr) 948 mg/kg

Aldrich: 24194-6

Fluka: 58010

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 85B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 58A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 85C, (*ir*)

Lieben *et al.*, *Annalen*, 1871, **159**, 74, (*synth*)

Marker, A. *et al.*, *Chem. Comm.*, 1972, 724, (*cmr*)

Boschi, R.A. *et al.*, *Mol. Phys.*, 1972, **24**, 289, (*uv*)

Schrumpf, G. *et al.*, *Chem. Ber.*, 1973, **106**, 266, (*pmr*)

Houriet, R. *et al.*, *Helv. Chim. Acta*, 1976, **59**, 119, (*ms*)

Miyano, S. *et al.*, *Nippon Kagaku Kaishi*, 1977, 138; *CA*, **86**, 139323, (*synth*)

Brunet, J.J. *et al.*, *Tet. Lett.*, 1985, **26**, 5445, (*synth*)

Gribble, G.W., *Prog. Chem. Org. Nat. Prod.*, 1996, **68**, 1, (*occur*)