



>>Entry Name: 1,4-Diiodobutane, 9CI

Synonym(s): Tetramethylene diiodide

CAS Registry Number: 628-21-7

ICH2CH2CH2CH2I

Molecular Formula: C4H8I2

Molecular Weight: 309.916

Accurate Mass: 309.871546

Percentage Composition: C 15.50%; H 2.60%; I 81.90%

Physical Description: Oil

Melting Point: Mp 6°

Boiling Point: Bp₂₆ 147-152°

Density: d¹⁵ 2.36

Refractive Index: n_D¹⁵ 1.6239

Other Data: Darkens slowly on standing.

Aldrich: D12260-2

Fluka: 38000

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 110B, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 75B, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 106C, (ir)

Sadtler Standard C-13 NMR Spectra, 2306, (cmr)

Sadtler Standard NMR Spectra, 2150, (pmr)

Haszeldine, R.N., *J.C.S.*, 1953, 1764, (uv)

Org. Synth., Coll. Vol., 4, 1963, 321, (synth)

Foltz, R.L. *et al.*, *Lipids*, 1969, **4**, 225, (ms)

Csanády, G. *et al.*, *Org. Prep. Proced. Int.*, 1990, **22**, 507, (synth)