



>>Entry Name: **1,5-Diiodopentane**, 9CI

Synonym(s): Pentamethylene iodide

CAS Registry Number: 628-77-3

ICH2(CH2)3CH2I

Molecular Formula: $C_5H_{10}I_2$

Molecular Weight: 323.943

Accurate Mass: 323.887196

Percentage Composition: C 18.54%; H 3.11%; I 78.35%

Melting Point: Mp 9°

Boiling Point: Bp₂₀ 149°. Bp₁₀ 128-130°

Density: d^{15}_D 2.19

Refractive Index: n^{15}_D 1.6046

Other Data: Spar. steam-volatile.

Aldrich: 25213-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 111B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 76B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 107C, (*ir*)

Org. Synth., Coll. Vol., 4, 1963, 323, (*synth*)

Crosby, G.A. *et al.*, *J.A.C.S.*, 1977, **99**, 278, (*synth*)

Katritzky, A.R. *et al.*, *J.C.S. Perkin 1*, 1979, 433, (*synth*)