



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

CAS Registry Number: 624-38-4

Structure by analogy with 1,2-Diiodobenzene, [DZQ91-B](#)

Molecular Formula: C₆H₄I₂

Molecular Weight: 329.907

Accurate Mass: 329.840246

Percentage Composition: C 21.84%; H 1.22%; I 76.93%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 129°

Boiling Point: Bp 285°

Other Data: Sublimes. Polymorphic, with phase transition at *ca.* 50°

Aldrich: 19352-6

Fluka: 37995

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 87C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 989D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 907D, (*ir*)

Wirth, H.O. *et al.*, *Annalen*, 1960, **634**, 84, (*synth*)

Green, J.H.S., *Spectrochim. Acta A*, 1970, **26**, 1503, (*ir, Raman*)

Felix, G. *et al.*, *Angew. Chem., Int. Ed.*, 1977, **16**, 488, (*synth*)

Shapiro, B.L. *et al.*, *J. Phys. Chem. Ref. Data*, 1977, **6**, 919, (*pmr*)

Hinchliffe, A. *et al.*, *J. Mol. Struct.*, 1985, **130**, 93, (*cryst struct*)

Fugaeva, O.M. *et al.*, *J. Mol. Struct.*, 1993, **293**, 209, (*uv*)