



>>Entry Name: 1-Iodo-3-nitrobenzene

Synonym(s): *m*-Iodonitrobenzene

CAS Registry Number: 645-00-1

Molecular Formula: C₆H₄INO₂

Molecular Weight: 249.008

Accurate Mass: 248.928677

Percentage Composition: C 28.94%; H 1.62%; I 50.96%; N 5.63%; O 12.85%

Physical Description: Cryst. (petrol/C₆H₆)

Melting Point: Mp 38.5°

Boiling Point: Bp₁₄ 153°

Aldrich: 14449-5

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1336A, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 689B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1188A, (*ir*)

Silbert, L.S. *et al.*, *J.O.C.*, 1968, **33**, 3670, (*synth*)

Arotzky, J. *et al.*, *J.C.S.(C)*, 1970, 1480, (*synth*)

Lutskii, A.E. *et al.*, *Zh. Obshch. Khim.*, 1970, **40**, 1837, (*uv*)

Exner, O. *et al.*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 2156, (*ir*)

Ibuki, E. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 1868

Chambers, R.D. *et al.*, *J.C.S. Perkin 1*, 1996, 1659, (*synth*, *pmr*, *cmr*)

Chaikovski, V.K. *et al.*, *Synthesis*, 1999, 748-750, (*synth*)