



>>Entry Name: 4,4'-Diiodobiphenyl

CAS Registry Number: 3001-15-8

Structure by analogy with 2,2'-Diiodobiphenyl, [FFV87-P](#)

Molecular Formula: C₁₂H₈I₂

Molecular Weight: 406.004

Accurate Mass: 405.871546

Percentage Composition: C 35.50%; H 1.99%; I 62.51%

Physical Description: Plates (C₆H₆)

Melting Point: Mp 202-203° (210-211°)

Aldrich: D12240-8

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1022C, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 159A, (*nmr*)

Wirth, H.O. *et al.*, *Annalen*, 1960, **634**, 84-104, (*synth*)

Kurland, R.J. *et al.*, *J.A.C.S.*, 1964, **86**, 1877-1879, (*pmr*)

Tarpley, A.R. *et al.*, *J. Phys. Chem.*, 1971, **75**, 421-430, (*pmr*)

Suzuki, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 289-291, (*synth, ir*)

Ibuki, E. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 1868-1874, (*synth*)

Noda, Y. *et al.*, *Tet. Lett.*, 1997, **38**, 6225-6228, (*synth*)

Togo, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1999, **72**, 2351-2356, (*synth, ir, pmr*)