



>>Entry Name: 4,4'-Difluorobiphenyl

CAS Registry Number: 398-23-2

Molecular Formula: C₁₂H₈F₂

Molecular Weight: 190.192

Accurate Mass: 190.059406

Percentage Composition: C 75.78%; H 4.24%; F 19.98%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 94-95°

Boiling Point: Bp 254-255°

Other Data: Steam-volatile

Aldrich: D10240-7

Rare Chemicals Library: S44522-3

Sigma: D6529

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 158A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 954B, (*ir*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 613F, (*ir*)

Org. Synth., 1938, **18**, 20, (*synth*)

Beavan, G.H. *et al.*, *J.C.S.*, 1956, 4637, (*uv*)

Brown, D.A. *et al.*, *J.C.S.(A)*, 1966, 1617, (*ir, pmr*)

Goldstein, J.H. *et al.*, *J. Phys. Chem.*, 1971, **75**, 421, (*pmr*)

Manatt, S.L. *et al.*, *J.A.C.S.*, 1971, **93**, 2369; 1973, **95**, 975, (*nmr*)

Halstead, T.K. *et al.*, *Mol. Phys.*, 1976, **31**, 1569, (*nmr, cryst struct*)

Percec, V. *et al.*, *J.O.C.*, 1995, **60**, 176, (*synth, pmr*)