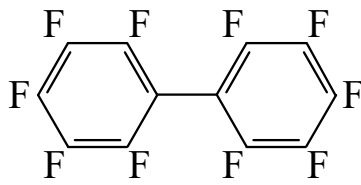




>>Entry Name: Decafluorobiphenyl

Synonym(s): Perfluorobiphenyl



CAS Registry Number: 434-90-2

Molecular Formula: C₁₂F₁₀

Molecular Weight: 334.116

Accurate Mass: 333.98403

Percentage Composition: C 43.14%; F 56.86%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 68-70°

Boiling Point: Bp 206°. Bp₂₀ 110°

Aldrich: D22-7

Fluka: 77244

Supelco: R43-5085

References:

Nield, E. *et al.*, *J.C.S.*, 1959, 166, (*synth*)

Brooke, G.M. *et al.*, *J.C.S.*, 1964, 729, (*synth*)

Weidenbruch, M. *et al.*, *Chem. Ber.*, 1972, **105**, 173, (*synth*)

Gleason, W.B. *et al.*, *Cryst. Struct. Commun.*, 1976, **5**, 483, (*cryst struct*)

Arthur, J.W. *et al.*, *J. Raman Spectrosc.*, 1976, **4**, 353, (*Raman*)

Matsumoto, H. *et al.*, *J.O.C.*, 1983, **48**, 840, (*synth*)

Aroney, M.J. *et al.*, *J. Mol. Struct.*, 1985, **127**, 175, (*conformn*)