



>>Entry Name: Difluorodiphenylsilane, 9CI

CAS Registry Number: 312-40-3

Ph₂SiF₂

Molecular Formula: C₁₂H₁₀F₂Si

Molecular Weight: 220.293

Accurate Mass: 220.051983

Percentage Composition: C 65.43%; H 4.58%; F 17.25%; Si 12.75%

Source/Synthesis: Synth. from Ph₂SiCl₂ and anhyd. ZnF₂

Physical Description: Liq.

Boiling Point: Bp₃ 93.5-94°

Density: d²⁰ 1.158

Rare Chemicals Library: S59982-4

References:

Pearlson, W.H. *et al.*, *J.A.C.S.*, 1945, **67**, 1769, (*synth*)

Curran, C. *et al.*, *J.A.C.S.*, 1950, **72**, 4471, (*synth*)

Müller, R. *et al.*, *Z. Anorg. Allg. Chem.*, 1963, **324**, 78, (*synth*)

Tansjö, L., *Acta Chem. Scand.*, 1964, **18**, 465, (*ir*)

Ho, B.Y.K. *et al.*, *Org. Mass Spectrom.*, 1975, **10**, 361, (*ms*)

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