



>>Entry Name: Tetraphenylgermane, 9CI

Synonym(s): Tetraphenylgermanium

CAS Registry Number: 1048-05-1

GePh₄

Molecular Formula: C₂₄H₂₀Ge

Molecular Weight: 381.032

Accurate Mass: 382.077677

Percentage Composition: C 75.65%; H 5.29%; Ge 19.06%

Source/Synthesis: Synth. from GeCl₄ and PhMgBr or PhLi

Physical Description: Needles (toluene)

Melting Point: Mp 237-238°

Boiling Point: Bp 400°

Aldrich: 28820-9

References:

Inorg. Synth., 1966, **8**, 31, (*synth, uv*)

Miller, J.M., *J.C.S.(A)*, 1967, 828, (*ms*)

Chieh, P.C., *J.C.S.(A)*, 1971, 3243, (*cryst struct*)

Preston, P.N. *et al.*, *Spectrochim. Acta A*, 1972, **28**, 197, (*pmr*)