



>>Entry Name: Hexaphenyldigermoxane

Synonym(s): Oxybis[triphenylgermane]. Bis(triphenylgermyl) oxide. Triphenylgermyl ether. Bis(triphenylgermyl) ether

CAS Registry Number: 2181-40-0

$\text{Ph}_3\text{GeOGePh}_3$

Molecular Formula: $\text{C}_{36}\text{H}_{30}\text{Ge}_2\text{O}$

Molecular Weight: 623.852

Accurate Mass: 626.072019

Percentage Composition: C 69.31%; H 4.85%; Ge 23.28%; O 2.56%

Source/Synthesis: Synth. from Ph_3GeBr and AgNO_3 in boiling H_2O

Physical Description: White cryst. (petrol)

Melting Point: Mp 184°

Aldrich: 44767-6

Rare Chemicals Library: S82886-6

References:

Morgan, G.T. *et al.*, *J.C.S.*, 1925, **127**, 1760, (*synth*)

Kuz'mina, L.G. *et al.*, *Zh. Strukt. Khim.*, 1972, **13**, 946, (*cryst struct*)

Oleinik, E.P. *et al.*, *Dokl. Akad. Nauk SSSR*, 1986, **289**, 1137, (*synth*)

Haeberle, K. *et al.*, *Z. Anorg. Allg. Chem.*, 1987, **551**, 116, (*cmr*)