



>>Entry Name: Hexamethyldigermane, 10CI

CAS Registry Number: 993-52-2

$\text{Me}_3\text{GeGeMe}_3$

Molecular Formula: $\text{C}_6\text{H}_{18}\text{Ge}_2$

Molecular Weight: 235.428

Accurate Mass: 237.983204

Percentage Composition: C 30.61%; H 7.71%; Ge 61.68%

Source/Synthesis: Synth. from Me_3GeBr and potassium metal

Use/Importance: Efficient $1\text{e}^{(-)}$ reductant of 10-methylacridinium ion (which then dimerises) under photochem. conditions

Physical Description: Air-stable colourless liq.

Melting Point: Mp -40°

Boiling Point: Bp₇₅₀ 138°

Refractive Index: n_D^{25} 1.4564

Aldrich: 44760-9

References:

Brown, M.P. *et al.*, *J.C.S.*, 1958, 2811; 1960, 506, (*synth, Raman*)

Fontal, B. *et al.*, *Inorg. Chem.*, 1971, **10**, 9, (*ir, Raman*)

Mochida, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1987, **60**, 3429, (*reaction*)

Fukuzumi, S. *et al.*, *Chem. Comm.*, 1990, 1236, (*use*)