



>>Entry Name: Tetrabutylgermane, 9CI

Synonym(s): Tetrabutylgermanium

CAS Registry Number: 1067-42-1

$\text{Ge}(\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_4$

Molecular Formula: $\text{C}_{16}\text{H}_{36}\text{Ge}$

Molecular Weight: 301.07

Accurate Mass: 302.202877

Percentage Composition: C 63.83%; H 12.05%; Ge 24.12%

Source/Synthesis: Synth. from GeCl_4 and 4BuMgCl in Et_2O

Physical Description: Liq.

Boiling Point: Bp 278° . Bp₁₇ $160\text{-}161^\circ$. Bp_{0.3} 100°

Density: d_4^{20} 0.937093

Aldrich: 40420-9

Rare Chemicals Library: S38783-5

References:

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Kaufmann, J. *et al.*, *Z. Naturforsch., A*, 1971, **26**, 1384, (*nmr*)

Fomina, N.V. *et al.*, *Dokl. Akad. Nauk SSSR*, 1973, **210**, 621; *CA*, **79**, 42630, (*synth*)

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