

Trimethylphenylgermanium

Other names:	Germane, trimethylphenyl- Phenyltrimethylgermane Trimethylgermylbenzene Trimethylphenylgermane
Inchi:	InChI=1S/C9H14Ge/c1-10(2,3)9-7-5-4-6-8-9/h4-8H,1-3H3
InchiKey:	NSXUUUYLQZUABBS-UHFFFAOYSA-N
Formula:	C9H14Ge
SMILES:	C[Ge](C)(C)c1ccccc1
Mol. weight [g/mol]:	194.85
CAS:	1626-00-2

Physical Properties

Property code	Value	Unit	Source
ie	8.98 ± 0.05	eV	NIST Webbook
ie	8.75	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
log10ws	-4.14		Crippen Method
logp	2.232		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1626002&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/11-117-9/Trimethylphenylgermanium.pdf>

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