

3,3-Dimethyl-3-silathietane

Inchi:	InChI=1S/C4H10SSi/c1-6(2)3-5-4-6/h3-4H2,1-2H3
InchiKey:	LAIPGQCKIZSQTO-UHFFFAOYSA-N
Formula:	C4H10SSi
SMILES:	C[Si]1(C)CSC1
Mol. weight [g/mol]:	118.27
CAS:	77205-52-8

Physical Properties

Property code	Value	Unit	Source
ie	8.10	eV	NIST Webbook
ie	8.25 ± 0.03	eV	NIST Webbook
ie	8.49	eV	NIST Webbook
log10ws	1.08		Crippen Method
logp	1.520		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C77205528&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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/56-561-7/3-3-Dimethyl-3-silathietane.pdf>

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