

Disilathiane, hexamethyl-

Other names:	Bis(trimethylsilyl)sulfide Hexamethyldisilthiane Disilthiane, hexamethyl- hexamethyldisilathiane
Inchi:	InChI=1S/C6H18SSi2/c1-8(2,3)7-9(4,5)6/h1-6H3
InchiKey:	RLECCBFNWDXKPK-UHFFFAOYSA-N
Formula:	C6H18SSi2
SMILES:	C[Si](C)(C)S[Si](C)(C)C
Mol. weight [g/mol]:	178.44
CAS:	3385-94-2

Physical Properties

Property code	Value	Unit	Source
ie	8.70 ± 0.10	eV	NIST Webbook
ie	8.74 ± 0.05	eV	NIST Webbook
log10ws	1.68		Crippen Method
logp	3.389		Crippen Method
rinpol	993.00		NIST Webbook
rinpol	993.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3385942&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

rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/50-613-5/Disilathiane-hexamethyl.pdf>

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