Iodotrimethylsilane

Other names:	Trimethylsilyl iodide
	Silane, iodotrimethyl-
	CT3610
	Trimethyliodosilane
Inchi:	InChI=1S/C3H9ISi/c1-5(2,3)4/h1-3H3
InchiKey:	CSRZQMIRAZTJOY-UHFFFAOYSA-N
Formula:	C3H9ISi
SMILES:	C[Si](C)(C)I
Mol. weight [g/mol]:	200.09
CAS:	16029-98-4

Physical Properties

Property code	Value	Unit	Source
ie	8.90 ± 0.10	eV	NIST Webbook
log10ws	-0.08		Crippen Method
logp	2.256		Crippen Method
tb	379.50 ± 0.50	K	NIST Webbook
tb	379.50 ± 0.50	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C16029984&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

Latest version available from:

https://www.chemeo.com/cid/77-918-8/Iodotrimethylsilane.pdf

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