

Silane, isocyanatotrimethyl-

Other names:	Isocyanatotrimethylsilane Isocyanic acid, trimethylsilyl ester Trimethylisocyanatosilane Trimethylsilyl isocyanate
Inchi:	InChI=1S/C4H9NOSi/c1-7(2,3)5-4-6/h1-3H3
InchiKey:	NIZHERJWXFHGGU-UHFFFAOYSA-N
Formula:	C4H9NOSi
SMILES:	C[Si](C)(C)N=C=O
Mol. weight [g/mol]:	115.21
CAS:	1118-02-1

Physical Properties

Property code	Value	Unit	Source
ie	10.50	eV	NIST Webbook
ie	10.30 ± 0.10	eV	NIST Webbook
log10ws	-3.05		Crippen Method
logp	1.157		Crippen Method
rinsol	670.00		NIST Webbook
tb	364.00	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1118021&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/60-772-8/Silane-isocyanatotrimethyl.pdf>

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