

Silane, (chloromethyl)trimethyl-

Other names:	(CH ₃) ₃ SiCH ₂ Cl Chloromethyltrimethylsilane CC3285
Inchi:	InChI=1S/C4H11ClSi/c1-6(2,3)4-5/h4H2,1-3H3
InchiKey:	OOCUOKHIVGWCTJ-UHFFFAOYSA-N
Formula:	C ₄ H ₁₁ ClSi
SMILES:	C[Si](C)(C)CCl
Mol. weight [g/mol]:	122.67
CAS:	2344-80-1

Physical Properties

Property code	Value	Unit	Source
ie	10.24	eV	NIST Webbook
ie	10.20 ± 0.10	eV	NIST Webbook
log10ws	0.79		Crippen Method
logp	2.103		Crippen Method
tb	370.50 ± 0.50	K	NIST Webbook

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=C2344801&Units=SI

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/23-234-6/Silane-chloromethyl-trimethyl.pdf>

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