

(Trimethylsilyl)acetylene

Other names:	Ethynyltrimethylsilane Silane, ethynyltrimethyl- Acetylene, trimethylsilyl- Silane, trimethyl-, ethynyl- (Trimethylsilyl)ethyne 1-(Trimethylsilyl)acetylene 1-Trimethylsilylethyne Trimethylethynylsilane Ethyne,-trimethylsilyl
Inchi:	InChI=1S/C5H10Si/c1-5-6(2,3)4/h1H,2-4H3
InchiKey:	CWMFRHBXRUITQE-UHFFFAOYSA-N
Formula:	C5H10Si
SMILES:	C#C[Si](C)(C)C
Mol. weight [g/mol]:	98.22
CAS:	1066-54-2

Physical Properties

Property code	Value	Unit	Source
ie	9.90 ± 0.10	eV	NIST Webbook
ie	10.14 ± 0.04	eV	NIST Webbook
ie	10.18	eV	NIST Webbook
ie	9.70	eV	NIST Webbook
ie	10.40 ± 0.02	eV	NIST Webbook
log10ws	0.73		Crippen Method
logp	1.497		Crippen Method
rinpol	552.00		NIST Webbook
tb	326.00	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1066542&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

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