

Silane, trimethyl-2-propenyl-

Other names:	Silane, allyltrimethyl- Allyltrimethylsilane Trimethylallylsilane 3-(Trimethylsilyl)-1-propene 3-(Trimethylsilyl)propene CA0570 Trimethyl-2-propenylsilane
Inchi:	InChI=1S/C6H14Si/c1-5-6-7(2,3)4/h5H,1,6H2,2-4H3
InchiKey:	HYWCXWRMUZYRPH-UHFFFAOYSA-N
Formula:	C6H14Si
SMILES:	C=CC[Si](C)(C)C
Mol. weight [g/mol]:	114.26
CAS:	762-72-1

Physical Properties

Property code	Value	Unit	Source
ie	8.85 ± 0.04	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
log10ws	0.34		Crippen Method
logp	2.511		Crippen Method
rinpol	650.00		NIST Webbook
tb	358.50 ± 0.50	K	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C762721&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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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