

Silane, tetra-2-propenyl-

Other names:	Silane, tetraallyl- Tetraallylsilane
Inchi:	InChI=1S/C12H20Si/c1-5-9-13(10-6-2,11-7-3)12-8-4/h5-8H,1-4,9-12H2
InchiKey:	AKRQMTFHUVD MIL-UHFFFAOYSA-N
Formula:	C12H20Si
SMILES:	C=CC[Si](CC=C)(CC=C)CC=C
Mol. weight [g/mol]:	192.37
CAS:	1112-66-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.73		Crippen Method
logp	4.179		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	25.50	kJ/mol	244.00	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=C1112669&Units=SI

Legend

hfust: Enthalpy of fusion at a given temperature

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

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