

Silane, (cyclohexyloxy)trimethyl-

Other names:	(Cyclohexyloxy)trimethylsilane Cyclohexanol, O-trimethylsilyl Cyclohexyl trimethylsilyl ether
Inchi:	InChI=1S/C9H20OSi/c1-11(2,3)10-9-7-5-4-6-8-9/h9H,4-8H2,1-3H3
InchiKey:	PGRDNHQIURCHPZ-UHFFFAOYSA-N
Formula:	C9H20OSi
SMILES:	C[Si](C)(C)OC1CCCCC1
Mol. weight [g/mol]:	172.34
CAS:	13871-89-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.73		Crippen Method
logp	3.171		Crippen Method
rinpol	1000.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	45.10	kJ/mol	402.50	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13871891&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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