

1,1,3-Trimethyl-1-silacyclobutane

Other names:	Silacyclobutane, 1,1,3-trimethyl- 1,1,3-Trimethylsilacyclobutane
Inchi:	InChI=1S/C6H14Si/c1-6-4-7(2,3)5-6/h6H,4-5H2,1-3H3
InchiKey:	IHVAPVIGBKYZTE-UHFFFAOYSA-N
Formula:	C6H14Si
SMILES:	CC1C[Si](C)(C)C1
Mol. weight [g/mol]:	114.26
CAS:	2295-13-8

Physical Properties

Property code	Value	Unit	Source
hvap	35.50	kJ/mol	NIST Webbook
ie	8.67 ± 0.03	eV	NIST Webbook
log10ws	0.54		Crippen Method
logp	2.345		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2295138&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/68-787-4/1-1-3-Trimethyl-1-silacyclobutane.pdf>

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