1,1-Dimethyl-1-silacyclo-3-pentene

Other names: Silacyclopent-3-ene,1,1-dimethyl-
Inchi: InChI=1S/C6H12Si/c1-7(2)5-3-4-6-7/h3-4H,5-6H2,1-2H3
InchiKey: PBYZVYQHXMJOLS-UHFFFAOYSA-N
Formula: C6H12Si
SMILES: C[Si]1(C)CC=CC1
Mol. weight [g/mol]: 112.25
CAS: 16054-12-9

Physical Properties

Property code	Value	Unit	Source
ie	9.00	eV	NIST Webbook
ie	9.10 ± 0.03	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
log10ws	0.45		Crippen Method
logp	2.265		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	7.77	kJ/mol	166.80	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C16054129&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hfust:	Enthalpy of fusion at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient