1-Methyl-1-phenyl-1-silacyclobutane

Other names: 1-Phenyl-1-methyl-1-silacyclobutane
Inchi: InChI=1S/C10H14Si/c1-11(8-5-9-11)10-6-3-2-4-7-10/h2-4,6-7H,5,8-9H2,1H3
InchiKey: SEWJDYLLWONCRV-UHFFFAOYSA-N
Formula: C10H14Si
SMILES: C[Si]1(c2ccccc2)CCC1
Mol. weight [g/mol]: 162.30
CAS: 3944-08-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.45		Crippen Method
logp	2.376		Crippen Method
sl	332.60	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	273.20	J/mol×K	298.15	NIST Webbook
hfust	12.28	kJ/mol	210.10	NIST Webbook
hfust	12.28	kJ/mol	210.00	NIST Webbook
sfust	58.50	J/mol×K	210.10	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3944089&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpl:	Liquid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
sfust:	Entropy of fusion at a given temperature
sl:	Liquid phase molar entropy at standard conditions