

1,1-DIMETHYL-1-SILACYCLOPENTANE

Other names:	Silacyclopentane, 1,1-dimethyl- Cyclotetramethylenedimethylsilane 1,1-Dimethylsilacyclopentane
Inchi:	InChI=1S/C6H14Si/c1-7(2)5-3-4-6-7/h3-6H2,1-2H3
InchiKey:	KDQBKCRYCZJUAE-UHFFFAOYSA-N
Formula:	C6H14Si
SMILES:	C[Si]1(C)CCCC1
Mol. weight [g/mol]:	114.26

Physical Properties

Property code	Value	Unit	Source
hvap	35.50	kJ/mol	Cheméo Relay (1.0)
ie	9.26 ± 0.03	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	9.75	eV	NIST Webbook
logp	2.489		Crippen Method
tb	369.90	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1072544&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient

tb: Normal Boiling Point Temperature

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