

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

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

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C16054129&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C16054129&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>

# Legend

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

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