

# Cyclotetrasilazane, 2,2,4,4,6,6,8,8-octamethyl-

<b>Other names:</b>	Octamethylcyclotetrasilazane 2,2,4,4,6,6,8,8-Octamethylcyclotetrasilazane
<b>Inchi:</b>	InChI=1S/C8H28N4Si4/c1-13(2)9-14(3,4)11-16(7,8)12-15(5,6)10-13/h9-12H,1-8H3
<b>InchiKey:</b>	FIADVASZMLCQIF-UHFFFAOYSA-N
<b>Formula:</b>	C8H28N4Si4
<b>SMILES:</b>	C[Si]1(C)N[Si](C)(C)N[Si](C)(C)N[Si](C)(C)N1
<b>Mol. weight [g/mol]:</b>	292.68
<b>CAS:</b>	1020-84-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.64		Crippen Method
logp	1.166		Crippen Method
tb	498.00	K	NIST Webbook
tt	367.67 ± 0.02	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	25.05	kJ/mol	367.70	NIST Webbook
hfust	25.05	kJ/mol	367.70	NIST Webbook
hvapt	52.30	kJ/mol	450.50	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1020844&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1020844&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>tb:</b>	Normal Boiling Point Temperature
<b>tt:</b>	Triple Point Temperature

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