

# 1,3,5-Triazine, hexahydro-1,3,5-trimethyl-

<b>Other names:</b>	s-Triazine, hexahydro-1,3,5-trimethyl-F 7771 Hexahydro-1,3,5-Trimethyl-s-triazine 1,3,5-Trimethylhexahydro-s-triazine 1,3,5-Trimethylhexahydro-1,3,5-triazine 1,3,5-Trimethylhexahydro-sym-triazine hexahydro-1,3,5-trimethyl-1,3,5-triazine
<b>Inchi:</b>	InChI=1S/C6H15N3/c1-7-4-8(2)6-9(3)5-7/h4-6H2,1-3H3
<b>InchiKey:</b>	DPMZXMBOYHBELT-UHFFFAOYSA-N
<b>Formula:</b>	C6H15N3
<b>SMILES:</b>	CN1CN(C)CN(C)C1
<b>Mol. weight [g/mol]:</b>	129.20
<b>CAS:</b>	108-74-7

## Physical Properties

Property code	Value	Unit	Source
hvap	51.20 ± 0.80	kJ/mol	NIST Webbook
ie	8.33 ± 0.05	eV	NIST Webbook
ie	7.60	eV	NIST Webbook
ie	7.60	eV	NIST Webbook
ie	7.60	eV	NIST Webbook
ie	8.26	eV	NIST Webbook
log10ws	0.58		Crippen Method
logp	-0.332		Crippen Method
mcvol	114.480	ml/mol	McGowan Method
tb	436.00	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	50.80 ± 0.80	kJ/mol	306.00	NIST Webbook

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C108747&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C108747&amp;Units=SI</a>

# Legend

<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>h<sub>vapt</sub>:</b>	Enthalpy of vaporization at a given temperature
<b>ie:</b>	Ionization energy
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>tb:</b>	Normal Boiling Point Temperature

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