

# 1-N-methylaminoadamantane

<b>Other names:</b>	1-Methylaminoadamantane
<b>Inchi:</b>	InChI=1S/C11H19N/c1-12-11-5-8-2-9(6-11)4-10(3-8)7-11/h8-10,12H,2-7H2,1H3/t8-,9+,1
<b>InchiKey:</b>	NZOLSRPWNVZXTK-BIBSGERRSA-N
<b>Formula:</b>	C11H19N
<b>SMILES:</b>	CNC12CC3CC(CC(C3)C1)C2
<b>Mol. weight [g/mol]:</b>	165.28
<b>CAS:</b>	3717-38-2

## Physical Properties

Property code	Value	Unit	Source
gf	288.08	kJ/mol	Joback Method
hf	-9.76	kJ/mol	Joback Method
hfus	16.42	kJ/mol	Joback Method
hvap	44.97	kJ/mol	Joback Method
log10ws	-2.69		Crippen Method
logp	2.175		Crippen Method
mcvol	143.250	ml/mol	McGowan Method
pc	2973.04	kPa	Joback Method
rinpol	1345.00		NIST Webbook
rinpol	1345.00		NIST Webbook
rinpol	1391.00		NIST Webbook
rinpol	1387.00		NIST Webbook
rinpol	1387.00		NIST Webbook
tb	521.31	K	Joback Method
tc	742.08	K	Joback Method
tf	336.35	K	Joback Method
vc	0.546	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	376.28	J/molxK	521.31	Joback Method
cpg	397.14	J/molxK	558.11	Joback Method
cpg	416.37	J/molxK	594.90	Joback Method

cpg	434.20	J/mol×K	631.70	Joback Method
cpg	450.81	J/mol×K	668.49	Joback Method
cpg	466.40	J/mol×K	705.29	Joback Method
cpg	481.18	J/mol×K	742.08	Joback Method

## 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>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</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=C3717382&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3717382&amp;Units=SI</a>
<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>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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