

# N-cyclohexylmethyl-n-methylpropargylamine

<b>Inchi:</b>	InChI=1S/C11H19N/c1-3-9-12(2)10-11-7-5-4-6-8-11/h1,11H,4-10H2,2H3
<b>InchiKey:</b>	DJTQJIUJNMYMTO-UHFFFAOYSA-N
<b>Formula:</b>	C11H19N
<b>SMILES:</b>	C#CCN(C)CC1CCCCC1
<b>Mol. weight [g/mol]:</b>	165.28
<b>CAS:</b>	2470-11-3

## Physical Properties

Property code	Value	Unit	Source
gf	400.04	kJ/mol	Joback Method
hf	143.38	kJ/mol	Joback Method
hfus	22.08	kJ/mol	Joback Method
hvap	42.41	kJ/mol	Joback Method
log10ws	-2.44		Crippen Method
logp	2.132		Crippen Method
mcvol	156.370	ml/mol	McGowan Method
pc	2704.22	kPa	Joback Method
tb	473.19	K	Joback Method
tc	679.35	K	Joback Method
tf	300.55	K	Joback Method
vc	0.565	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	347.15	J/mol×K	473.19	Joback Method
cpg	367.25	J/mol×K	507.55	Joback Method
cpg	386.22	J/mol×K	541.91	Joback Method
cpg	404.09	J/mol×K	576.27	Joback Method
cpg	420.91	J/mol×K	610.63	Joback Method
cpg	436.73	J/mol×K	644.99	Joback Method
cpg	451.59	J/mol×K	679.35	Joback Method

# Sources

<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=C2470113&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2470113&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>
<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>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>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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