

# Decahydroquinoline, 2-methyl

<b>Inchi:</b>	InChI=1S/C10H19N/c1-8-6-7-9-4-2-3-5-10(9)11-8/h8-11H,2-7H2,1H3
<b>InchiKey:</b>	FJRLSRUBXMUSOC-UHFFFAOYSA-N
<b>Formula:</b>	C10H19N
<b>SMILES:</b>	CC1CCC2CCCCC2N1
<b>Mol. weight [g/mol]:</b>	153.26

## Physical Properties

Property code	Value	Unit	Source
gf	186.42	kJ/mol	Joback Method
hf	-111.30	kJ/mol	Joback Method
hfus	20.19	kJ/mol	Joback Method
hvap	44.82	kJ/mol	Joback Method
log10ws	-2.97		Crippen Method
logp	2.317		Crippen Method
mcvol	140.020	ml/mol	McGowan Method
pc	2999.15	kPa	Joback Method
rinpol	1218.00		NIST Webbook
rinpol	1218.00		NIST Webbook
tb	502.64	K	Joback Method
tc	730.51	K	Joback Method
tf	325.05	K	Joback Method
vc	0.513	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	336.93	J/mol×K	502.64	Joback Method
cpg	359.43	J/mol×K	540.62	Joback Method
cpg	380.61	J/mol×K	578.60	Joback Method
cpg	400.53	J/mol×K	616.57	Joback Method
cpg	419.22	J/mol×K	654.55	Joback Method
cpg	436.71	J/mol×K	692.53	Joback Method
cpg	453.06	J/mol×K	730.51	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=R120308&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R120308&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>h vap:</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>r in pol:</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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