

# Morpholine, 2,5-dimethyl-

<b>Inchi:</b>	InChI=1S/C6H13NO/c1-5-4-8-6(2)3-7-5/h5-7H,3-4H2,1-2H3
<b>InchiKey:</b>	RPSYMAMREDJAES-UHFFFAOYSA-N
<b>Formula:</b>	C6H13NO
<b>SMILES:</b>	CC1COC(C)CN1
<b>Mol. weight [g/mol]:</b>	115.17
<b>CAS:</b>	106-56-9

## Physical Properties

Property code	Value	Unit	Source
gf	17.97	kJ/mol	Joback Method
hf	-227.38	kJ/mol	Joback Method
hfus	21.77	kJ/mol	Joback Method
hvap	40.34	kJ/mol	Joback Method
log10ws	-0.73		Crippen Method
logp	0.383		Crippen Method
mcvol	100.390	ml/mol	McGowan Method
pc	3877.12	kPa	Joback Method
tb	427.06	K	Joback Method
tc	640.31	K	Joback Method
tf	292.12	K	Joback Method
vc	0.361	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	204.63	J/molxK	427.06	Joback Method
cpg	219.82	J/molxK	462.60	Joback Method
cpg	234.36	J/molxK	498.14	Joback Method
cpg	248.27	J/molxK	533.68	Joback Method
cpg	261.53	J/molxK	569.23	Joback Method
cpg	274.16	J/molxK	604.77	Joback Method
cpg	286.14	J/molxK	640.31	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=C106569&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C106569&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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