

# 3-[(Benzylmethylamino)methyl]-2-norbornanone

<b>Inchi:</b>	InChI=1S/C16H21NO/c1-17(10-12-5-3-2-4-6-12)11-15-13-7-8-14(9-13)16(15)18/h2-6,13
<b>InchiKey:</b>	BWUZBNNHJQRYEW-UHFFFAOYSA-N
<b>Formula:</b>	C16H21NO
<b>SMILES:</b>	CN(Cc1ccccc1)CC1C(=O)C2CCC1C2
<b>Mol. weight [g/mol]:</b>	243.34
<b>CAS:</b>	71172-50-4

## Physical Properties

Property code	Value	Unit	Source
gf	286.13	kJ/mol	Joback Method
hf	-88.11	kJ/mol	Joback Method
hfus	29.01	kJ/mol	Joback Method
hvap	59.47	kJ/mol	Joback Method
log10ws	-3.03		Crippen Method
logp	2.734		Crippen Method
mcvol	202.370	ml/mol	McGowan Method
pc	2187.68	kPa	Joback Method
tb	685.50	K	Joback Method
tc	917.15	K	Joback Method
tf	425.31	K	Joback Method
vc	0.753	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	599.70	J/molxK	685.50	Joback Method
cpg	620.49	J/molxK	724.11	Joback Method
cpg	639.80	J/molxK	762.72	Joback Method
cpg	657.72	J/molxK	801.32	Joback Method
cpg	674.33	J/molxK	839.93	Joback Method
cpg	689.73	J/molxK	878.54	Joback Method
cpg	704.01	J/molxK	917.15	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=C71172504&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C71172504&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>hvac:</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>mccol:</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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