

# cis-3-Aminobicyclo[2.2.2]octan-2-ol

<b>Inchi:</b>	InChI=1S/C8H15NO/c9-7-5-1-3-6(4-2-5)8(7)10/h5-8,10H,1-4,9H2/t5?,6?,7-,8+/m1/s1
<b>InchiKey:</b>	QFDAEESARGPBBO-CRYROECRSA-N
<b>Formula:</b>	C8H15NO
<b>SMILES:</b>	NC1C2CCC(CC2)C1O
<b>Mol. weight [g/mol]:</b>	141.21
<b>CAS:</b>	17997-65-8

## Physical Properties

Property code	Value	Unit	Source
affp	948.60	kJ/mol	NIST Webbook
basg	916.20	kJ/mol	NIST Webbook
gf	27.99	kJ/mol	Joback Method
hf	-234.29	kJ/mol	Joback Method
hfus	19.97	kJ/mol	Joback Method
hvap	60.27	kJ/mol	Joback Method
log10ws	-1.40		Crippen Method
logp	0.495		Crippen Method
mcvol	117.710	ml/mol	McGowan Method
pc	3940.66	kPa	Joback Method
tb	559.83	K	Joback Method
tc	767.31	K	Joback Method
tf	344.36	K	Joback Method
vc	0.427	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	324.94	J/molxK	559.83	Joback Method
cpg	340.26	J/molxK	594.41	Joback Method
cpg	354.65	J/molxK	628.99	Joback Method
cpg	368.16	J/molxK	663.57	Joback Method
cpg	380.83	J/molxK	698.15	Joback Method
cpg	392.72	J/molxK	732.73	Joback Method
cpg	403.86	J/molxK	767.31	Joback Method

# Sources

<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=C17997658&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C17997658&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>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

# Legend

<b>affp:</b>	Proton affinity
<b>basg:</b>	Gas basicity
<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>m cvol:</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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