

# N,N-Bis(4-chlorobenzyl)hydroxylamine

<b>Inchi:</b>	InChI=1S/C14H13Cl2NO/c15-13-5-1-11(2-6-13)9-17(18)10-12-3-7-14(16)8-4-12/h1-8,18
<b>InchiKey:</b>	LJISSWQMTWDSGS-UHFFFAOYSA-N
<b>Formula:</b>	C14H13Cl2NO
<b>SMILES:</b>	ON(Cc1ccc(Cl)cc1)Cc1ccc(Cl)cc1
<b>Mol. weight [g/mol]:</b>	282.17
<b>CAS:</b>	40861-08-3

## Physical Properties

Property code	Value	Unit	Source
gf	222.66	kJ/mol	Joback Method
hf	1.65	kJ/mol	Joback Method
hfus	34.82	kJ/mol	Joback Method
hvap	80.13	kJ/mol	Joback Method
log10ws	-4.47		Crippen Method
logp	4.385		Crippen Method
mcvol	200.930	ml/mol	McGowan Method
pc	2729.71	kPa	Joback Method
tb	762.52	K	Joback Method
tc	986.76	K	Joback Method
tf	478.55	K	Joback Method
vc	0.739	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	512.25	J/molxK	762.52	Joback Method
cpg	523.71	J/molxK	799.89	Joback Method
cpg	534.29	J/molxK	837.27	Joback Method
cpg	544.05	J/molxK	874.64	Joback Method
cpg	553.06	J/molxK	912.02	Joback Method
cpg	561.39	J/molxK	949.39	Joback Method
cpg	569.11	J/molxK	986.76	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<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=C40861083&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C40861083&amp;Units=SI</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>mccvol:</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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