

# Cyclohexanamine, N-cyclohexyl-N-nitroso-

<b>Other names:</b>	Dicyclohexylamine, N-nitroso- Dicyclohexylnitrosamine N-Nitrosodicyclohexylamine Dicyclohexylnitrosamin
<b>Inchi:</b>	InChI=1S/C12H22N2O/c15-13-14(11-7-3-1-4-8-11)12-9-5-2-6-10-12/h11-12H,1-10H2
<b>InchiKey:</b>	CYMNKXLBEMEABS-UHFFFAOYSA-N
<b>Formula:</b>	C12H22N2O
<b>SMILES:</b>	O=NN(C1CCCCC1)C1CCCCC1
<b>Mol. weight [g/mol]:</b>	210.32
<b>CAS:</b>	947-92-2

## Physical Properties

Property code	Value	Unit	Source
hf	-283.03	kJ/mol	Joback Method
hvap	54.30	kJ/mol	Joback Method
log10ws	-4.61		Crippen Method
logp	3.635		Crippen Method
mcvol	179.750	ml/mol	McGowan Method
pc	2550.76	kPa	Joback Method
rinpol	1675.00		NIST Webbook
rinpol	1675.00		NIST Webbook
tb	588.90	K	Joback Method
tc	811.20	K	Joback Method

## Sources

<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>
<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=C947922&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C947922&amp;Units=SI</a>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log10 of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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