

# Cyclohexanecarboxanilide

<b>Other names:</b>	Cyclohexanecarboxamide, N-phenyl- N-phenylcyclohexanecarboxamide
<b>Inchi:</b>	InChI=1S/C13H17NO/c15-13(11-7-3-1-4-8-11)14-12-9-5-2-6-10-12/h2,5-6,9-11H,1,3-4,7
<b>InchiKey:</b>	AZTGEJBZSFKULT-UHFFFAOYSA-N
<b>Formula:</b>	C13H17NO
<b>SMILES:</b>	OC(=Nc1ccccc1)C1CCCCC1
<b>Mol. weight [g/mol]:</b>	203.28
<b>CAS:</b>	2719-26-8

## Physical Properties

Property code	Value	Unit	Source
hf	-100.60	kJ/mol	Joback Method
hvap	67.31	kJ/mol	Joback Method
log10ws	-3.60		Crippen Method
logp	3.855		Crippen Method
mcvol	170.960	ml/mol	McGowan Method
pc	2662.52	kPa	Joback Method
tb	711.81	K	Joback Method
tc	946.00	K	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=C2719268&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2719268&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

hf: Enthalpy of formation at standard conditions

<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>w<sub>s</sub>:</b>	Log10 of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mc<sub>vol</sub>:</b>	McGowan's characteristic volume
<b>p<sub>c</sub>:</b>	Critical Pressure
<b>t<sub>b</sub>:</b>	Normal Boiling Point Temperature
<b>t<sub>c</sub>:</b>	Critical Temperature

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