

2-Propenamide, N-cyclohexyl-2-methyl-

Other names:	N-Cyclohexyl methacrylamide
Inchi:	InChI=1S/C10H17NO/c1-8(2)10(12)11-9-6-4-3-5-7-9/h9H,1,3-7H2,2H3,(H,11,12)
InchiKey:	JBLADNFGVOKFSU-UHFFFAOYSA-N
Formula:	C10H17NO
SMILES:	<chem>C=C(C)C(O)=NC1CCCCC1</chem>
Mol. weight [g/mol]:	167.25
CAS:	2918-67-4

Physical Properties

Property code	Value	Unit	Source
hf	-159.57	kJ/mol	Joback Method
hvap	57.77	kJ/mol	Joback Method
log10ws	-2.85		Crippen Method
logp	2.852		Crippen Method
mcvol	148.150	ml/mol	McGowan Method
pc	2673.54	kPa	Joback Method
tb	613.05	K	Joback Method
tc	825.24	K	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2918674&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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