

Pentanamide, N-cyclohexyl

Inchi:	InChI=1S/C11H21NO/c1-2-3-9-11(13)12-10-7-5-4-6-8-10/h10H,2-9H2,1H3,(H,12,13)
InchiKey:	JDGRQVUDURNFLX-UHFFFAOYSA-N
Formula:	C11H21NO
SMILES:	CCCCC(O)=NC1CCCCC1
Mol. weight [g/mol]:	183.29

Physical Properties

Property code	Value	Unit	Source
hf	-295.85	kJ/mol	Joback Method
hvap	60.58	kJ/mol	Joback Method
log10ws	-3.42		Crippen Method
logp	3.466		Crippen Method
mcvol	166.540	ml/mol	McGowan Method
pc	2318.07	kPa	Joback Method
rinpol	1551.00		NIST Webbook
tb	639.37	K	Joback Method
tc	841.20	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=R50761&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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