

Acetamide, N-nonyl-

Inchi: InChI=1S/C11H23NO/c1-3-4-5-6-7-8-9-10-12-11(2)13/h3-10H2,1-2H3,(H,12,13)
InchiKey: JNXJZBAZPJZRFQ-UHFFFAOYSA-N
Formula: C11H23NO
SMILES: CCCCCCCCCN=C(C)O
Mol. weight [g/mol]: 185.31

Physical Properties

Property code	Value	Unit	Source
hf	-350.17	kJ/mol	Joback Method
hvap	60.15	kJ/mol	Joback Method
log10ws	-3.41		Crippen Method
logp	3.713		Crippen Method
mcvol	177.400	ml/mol	McGowan Method
pc	1920.30	kPa	Joback Method
rinpol	1606.00		NIST Webbook
rinpol	1606.00		NIST Webbook
tb	619.82	K	Joback Method
tc	794.62	K	Joback Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U406549&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method

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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<https://www.chemeo.com/cid/93-078-3/Acetamide-N-nonyl.pdf>

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