Acetamide, N-(1-methylheptyl)

Inchi: InChI=1S/C10H21NO/c1-4-5-6-7-8-9(2)11-10(3)12/h9H,4-8H2,1-3H3,(H,11,12)
InchiKey: DNVCVNWQDMXRNF-UHFFFAOYSA-N
Formula: C10H21NO
SMILES: CCCCCCC(C)N=C(C)O
Mol. weight [g/mol]: 171.28
CAS: 23602-00-8

Physical Properties

Property code	Value	Unit	Source
hf	-334.81	kJ/mol	Joback Method
hvap	57.54	kJ/mol	Joback Method
log10ws	-3.10		Crippen Method
logp	3.322		Crippen Method
mcvol	163.310	ml/mol	McGowan Method
pc	2108.07	kPa	Joback Method
rinpol	1363.00		NIST Webbook
tb	596.50	K	Joback Method
tc	775.40	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
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=C23602008&Units=SI

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