Acetamide, N-pentyl-

Inchi: InChI=1S/C7H15NO/c1-3-4-5-6-8-7(2)9/h3-6H2,1-2H3,(H,8,9)
InchiKey: PTBCMKWBUAWWMQ-UHFFFAOYSA-N
Formula: C7H15NO
SMILES: CCCCCN=C(C)O
Mol. weight [g/mol]: 129.20

Physical Properties

Property code	Value	Unit	Source
hf	-267.61	kJ/mol	Joback Method
hvap	51.25	kJ/mol	Joback Method
log10ws	-1.74		Crippen Method
logp	2.153		Crippen Method
mcvol	121.040	ml/mol	McGowan Method
pc	2775.92	kPa	Joback Method
rinpol	1205.00		NIST Webbook
rinpol	1205.00		NIST Webbook
tb	528.30	K	Joback Method
tc	708.84	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=U406542&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature