Valeramide, N-hexyl-

Other names: Pentanamide, N-hexyl
Inchi: InChI=1S/C11H23NO/c1-3-5-7-8-10-12-11(13)9-6-4-2/h3-10H2,1-2H3,(H,12,13)
InchiKey: HYTMILDAGQOHDF-UHFFFAOYSA-N
Formula: C11H23NO
SMILES: CCCCCCN=C(O)CCCC
Mol. weight [g/mol]: 185.31
CAS: 10264-25-2

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	1516.00		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=C10264252&Units=SI
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

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