Octanamide, N-(1-naphthyl)-

Inchi: InChI=1S/C18H23NO/c1-2-3-4-5-6-14-18(20)19-17-13-9-11-15-10-7-8-12-16(15)17/h7-13
InchiKey: BWDQTWCKOCDMAH-UHFFFAOYSA-N
Formula: C18H23NO
SMILES: CCCCCCCC(O)=Nc1cccc2ccccc12
Mol. weight [g/mol]: 269.38

Physical Properties

Property code	Value	Unit	Source
hf	-78.52	kJ/mol	Joback Method
hvap	80.31	kJ/mol	Joback Method
log10ws	-6.17		Crippen Method
logp	5.788		Crippen Method
mcvol	232.810	ml/mol	McGowan Method
pc	1746.28	kPa	Joback Method
rinpol	2448.00		NIST Webbook
rinpol	2448.00		NIST Webbook
tb	830.62	K	Joback Method
tc	1043.17	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=U306931&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