Butanamide, N-(1-naphthyl)-

Inchi: InChI=1S/C14H15NO/c1-2-6-14(16)15-13-10-5-8-11-7-3-4-9-12(11)13/h3-5,7-10H,2,6H2
InchiKey: IRLQJPAKTNBBES-UHFFFAOYSA-N
Formula: C14H15NO
SMILES: CCCC(O)=Nc1cccc2ccccc12
Mol. weight [g/mol]: 213.28

Physical Properties

Property code	Value	Unit	Source
hf	4.04	kJ/mol	Joback Method
hvap	71.41	kJ/mol	Joback Method
log10ws	-4.50		Crippen Method
logp	4.228		Crippen Method
mcvol	176.450	ml/mol	McGowan Method
pc	2477.65	kPa	Joback Method
rinpol	2001.00		NIST Webbook
rinpol	2001.00		NIST Webbook
tb	739.10	K	Joback Method
tc	961.31	K	Joback Method

Sources

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=U306920&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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