Propanamide, N-(1-naphthyl)-2-methyl-

Inchi: InChI=1S/C14H15NO/c1-10(2)14(16)15-13-9-5-7-11-6-3-4-8-12(11)13/h3-10H,1-2H3,(H,
InchiKey: JFPRISUCQTXAPA-UHFFFAOYSA-N
Formula: C14H15NO
SMILES: CC(C)C(O)=Nc1cccc2ccccc12
Mol. weight [g/mol]: 213.28

Physical Properties

Property code	Value	Unit	Source
hf	-1.24	kJ/mol	Joback Method
hvap	71.02	kJ/mol	Joback Method
log10ws	-4.26		Crippen Method
logp	4.084		Crippen Method
mcvol	176.450	ml/mol	McGowan Method
pc	2497.50	kPa	Joback Method
rinpol	1957.00		NIST Webbook
rinpol	1957.00		NIST Webbook
tb	738.66	K	Joback Method
tc	964.82	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=U307327&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