2-Naphthamide, N-pentyl-

Inchi: InChI=1S/C16H19NO/c1-2-3-6-11-17-16(18)15-10-9-13-7-4-5-8-14(13)12-15/h4-5,7-10,1
InchiKey: YREDFZUBMGMFLJ-UHFFFAOYSA-N
Formula: C16H19NO
SMILES: CCCCCN=C(O)c1ccc2ccccc2c1
Mol. weight [g/mol]: 241.33

Physical Properties

Property code	Value	Unit	Source
hf	-37.24	kJ/mol	Joback Method
hvap	75.86	kJ/mol	Joback Method
log10ws	-4.84		Crippen Method
logp	4.335		Crippen Method
mcvol	204.630	ml/mol	McGowan Method
pc	2064.24	kPa	Joback Method
rinpol	2325.00		NIST Webbook
rinpol	2325.00		NIST Webbook
tb	784.86	K	Joback Method
tc	1001.13	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407350&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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