2-Naphthamide, N-methyl-

Inchi: InChI=1S/C12H11NO/c1-13-12(14)11-7-6-9-4-2-3-5-10(9)8-11/h2-8H,1H3,(H,13,14)
InchiKey: BWFORQSNSQQHSY-UHFFFAOYSA-N
Formula: C12H11NO
SMILES: CN=C(O)c1ccc2ccccc2c1
Mol. weight [g/mol]: 185.22

Physical Properties

Property code	Value	Unit	Source
hf	45.32	kJ/mol	Joback Method
hvap	66.96	kJ/mol	Joback Method
log10ws	-3.16		Crippen Method
logp	2.774		Crippen Method
mcvol	148.270	ml/mol	McGowan Method
pc	3028.94	kPa	Joback Method
tb	693.34	K	Joback Method
tc	923.39	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407344&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature