Acetamide, N-1-naphthalenyl-

Other names:	Acetamide, N-1-naphthyl-
	N-«alpha»-Naphthylacetamide
	N-Acetyl-1-naphthylamine
	N-1-Naphthylacetamide
	Rootone
	1-Acetamidonaphthalene
Inchi:	InChI=1S/C12H11NO/c1-9(14)13-12-8-4-6-10-5-2-3-7-11(10)12/h2-8H,1H3,(H,13,14)
InchiKey:	OKQIEBVRUGLWOR-UHFFFAOYSA-N
Formula:	C12H11NO
SMILES:	CC(O)=Nc1cccc2ccccc12
Mol. weight [g/mol]:	185.22
CAS:	575-36-0

Physical Properties

Property code	Value	Unit	Source
hf	45.32	kJ/mol	Joback Method
hvap	66.96	kJ/mol	Joback Method
log10ws	-3.66		Crippen Method
logp	3.448		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

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=C575360&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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