1-Acetamido-2-methyl-naphthalene

Inchi: InChI=1S/C13H13NO/c1-9-7-8-11-5-3-4-6-12(11)13(9)14-10(2)15/h3-8H,1-2H3,(H,14,15)
InchiKey: SGRWRTKJEQTSCK-UHFFFAOYSA-N
Formula: C13H13NO
SMILES: CC(O)=Nc1c(C)ccc2ccccc12
Mol. weight [g/mol]: 199.25
CAS: 13615-35-5

Physical Properties

Property code	Value	Unit	Source
hf	13.21	kJ/mol	Joback Method
hvap	69.85	kJ/mol	Joback Method
log10ws	-4.14		Crippen Method
logp	3.756		Crippen Method
mcvol	162.360	ml/mol	McGowan Method
pc	2690.21	kPa	Joback Method
tb	721.20	K	Joback Method
tc	947.92	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=C13615355&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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