Acetanilide, 2-cyclohexyl-

Inchi: InChI=1S/C14H19NO/c1-11(16)15-14-10-6-5-9-13(14)12-7-3-2-4-8-12/h5-6,9-10,12H,2-4
InchiKey: DRVLUTZQBLMUQV-UHFFFAOYSA-N
Formula: C14H19NO
SMILES: CC(O)=Nc1ccccc1C1CCCCC1
Mol. weight [g/mol]: 217.31
CAS: 92499-34-8

Physical Properties

Property code	Value	Unit	Source
hf	-132.71	kJ/mol	Joback Method
hvap	70.20	kJ/mol	Joback Method
log10ws	-4.19		Crippen Method
logp	4.342		Crippen Method
mcvol	185.050	ml/mol	McGowan Method
pc	2381.86	kPa	Joback Method
tb	739.67	K	Joback Method
tc	970.33	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C92499348&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