S(-)-Cathinone, N-acetyl-

Other names: Acetamide, N-(1-benzoylethyl)
Inchi: InChI=1S/C11H13NO2/c1-8(12-9(2)13)11(14)10-6-4-3-5-7-10/h3-8H,1-2H3,(H,12,13)
InchiKey: XFOFGOGCAHRANZ-UHFFFAOYSA-N
Formula: C11H13NO2
SMILES: CC(O)=NC(C)C(=O)c1ccccc1
Mol. weight [g/mol]: 191.23

Physical Properties

Property code	Value	Unit	Source
hf	-231.50	kJ/mol	Joback Method
hvap	68.79	kJ/mol	Joback Method
log10ws	-2.48		Crippen Method
logp	2.234		Crippen Method
mcvol	155.210	ml/mol	McGowan Method
pc	2829.33	kPa	Joback Method
rinpol	1610.00		NIST Webbook
rinpol	1610.00		NIST Webbook
tb	699.93	K	Joback Method
tc	918.09	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U353225&Units=SI

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