4'-(2-Hydroxybenzylideneamino)acetophenone

Other names: Salicylidene p-aminoacetophenone
Inchi: InChI=1S/C15H13NO2/c1-11(17)12-6-8-14(9-7-12)16-10-13-4-2-3-5-15(13)18/h2-10,18H
InchiKey: NMHNMJLIXGLSFY-UHFFFAOYSA-N
Formula: C15H13NO2
SMILES: CC(=O)c1ccc(N=Cc2ccccc2O)cc1
Mol. weight [g/mol]: 239.27
CAS: 788-23-8

Physical Properties

Property code	Value	Unit	Source
hf	-99.01	kJ/mol	Joback Method
hvap	77.27	kJ/mol	Joback Method
log10ws	-3.55		Crippen Method
logp	3.345		Crippen Method
mcvol	187.810	ml/mol	McGowan Method
pc	2758.46	kPa	Joback Method
tb	812.11	K	Joback Method
tc	1073.25	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=C788238&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature