Salicylidene p-aminoacetophenone

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

Physical Properties

Property code	Value	Unit	Source
af	0.7344		Cheméo Relay (1.0)
gf	66.36	kJ/mol	Cheméo Relay (1.0, beta)
hf	-90.85	kJ/mol	Cheméo Relay (1.0)
hvap	103.76	kJ/mol	Cheméo Relay (1.0)
ie	7.80	eV	Cheméo Relay (1.0)
log10ws	-3.39		Cheméo Relay (1.0)
logp	3.345		Crippen Method
mcvol	187.810	ml/mol	McGowan Method
pc	2758.46	kPa	Joback Method
tb	631.33	K	Cheméo Relay (1.0)
tc	939.40	K	Cheméo Relay (1.0)
tf	407.49	K	Cheméo Relay (1.0)
vc	0.659	m3/kmol	Cheméo Relay (1.0)

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C788238&Units=SI
Joback Method: https://en.wikipedia.org/wiki/Joback_method

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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
tf:	Normal melting (fusion) point
vc:	Critical Volume