

2-Hydroxy-n-(o-hydroxybenzylidene) ethyl amine

Inchi:	lnChI=1S/C9H11NO2/c11-6-5-10-7-8-3-1-2-4-9(8)12/h1-4,7,11-12H,5-6H2/b10-7+
InchiKey:	PVOPOJUNKWJIBJ-JXMROGBWSA-N
Formula:	C9H11NO2
SMILES:	OCCN=Cc1ccccc1O
Mol. weight [g/mol]:	165.19
CAS:	1952-38-1

Physical Properties

Property code	Value	Unit	Source
hf	-239.88	kJ/mol	Joback Method
hvap	70.91	kJ/mol	Joback Method
log10ws	-0.77		Crippen Method
logp	0.803		Crippen Method
mcvol	131.330	ml/mol	McGowan Method
pc	3834.03	kPa	Joback Method
tb	681.48	K	Joback Method
tc	901.55	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1952381&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

Latest version available from:

<https://www.chemeo.com/cid/25-211-9/2-Hydroxy-n-o-hydroxybenzylidene-ethyl-amine.pdf>

Generated by Cheméo on 2024-04-10 13:20:35.070737165 +0000 UTC m=+15044483.991314507.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.