Benzaldehyde, 2-hydroxy-, oxime

Other names:	Salicylaldehyde, oxime
	o-Hydroxybenzaldehyde oxime
	o-Hydroxybenzaldoxime
	Saldox
	Salicylaldehydoxime
	Salicylaldoxime
	2-Hydroxybenzaldehyde oxime
	2-Hydroxybenzaldoxime
	(2-Hydroxyphenylmethylene)azanol
	NSC 5057
Inchi:	InChI=1S/C7H7NO2/c9-7-4-2-1-3-6(7)5-8-10/h1-5,9-10H
InchiKey:	ORIHZIZPTZTNCU-UHFFFAOYSA-N
Formula:	C7H7NO2
SMILES:	ON=Cc1ccccc1O
Mol. weight [g/mol]:	137.14
CAS:	94-67-7

Physical Properties

Property code	Value	Unit	Source
chs	-3571.30 ± 0.67	kJ/mol	NIST Webbook
hf	-198.60	kJ/mol	Joback Method
hsub	105.00 ± 10.00	kJ/mol	NIST Webbook
hvap	66.46	kJ/mol	Joback Method
log10ws	-0.32		Crippen Method
logp	1.200		Crippen Method
mcvol	103.150	ml/mol	McGowan Method
pc	4938.44	kPa	Joback Method
rinpol	1560.00		NIST Webbook
rinpol	1560.00		NIST Webbook
tb	635.72	K	Joback Method
tc	863.97	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C94677&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

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation 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