2-(Hydroxyimino) propanol oxime

Other names:	3-Methylglyoxime
	Glyoxime, methyl-
	Methylglyoxal dioxime
	Propanal, 2-(hydroxyimino)-, oxime
	Pyruvaldehyde, dioxime
	Methylglyoxime
Inchi:	InChI=1S/C3H6N2O2/c1-3(5-7)2-4-6/h2,6-7H,1H3
InchiKey:	KFTHGQZJWAXFGG-UHFFFAOYSA-N
Formula:	C3H6N2O2
SMILES:	CC(C=NO)=NO
Mol. weight [g/mol]:	102.09
CAS:	1804-15-5

Physical Properties

Property code	Value	Unit	Source
chs	-1915.00	kJ/mol	NIST Webbook
hf	-255.06	kJ/mol	Joback Method
hvap	62.34	kJ/mol	Joback Method
log10ws	1.29		Crippen Method
logp	0.297		Crippen Method
mcvol	76.230	ml/mol	McGowan Method
pc	4288.66	kPa	Joback Method
tb	605.64	K	Joback Method
tc	800.08	K	Joback Method

Sources

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=C1804155&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chs:	Standard solid enthalpy of combustion
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