Benzaldehyde, O-methyloxime

Other names:	O-Methylbenzaldoxime
	Benzaldoxime O-methyl ether
	Methoxyamine, N-benzylidene-
Inchi:	InChI=1S/C8H9NO/c1-10-9-7-8-5-3-2-4-6-8/h2-7H,1H3
InchiKey:	LEOPYQNROPGGGR-UHFFFAOYSA-N
Formula:	C8H9NO
SMILES:	CON=Cc1ccccc1
Mol. weight [g/mol]:	135.16
CAS:	3376-32-7

Physical Properties

Property code	Value	Unit	Source
hf	-21.92	kJ/mol	Joback Method
hvap	41.40	kJ/mol	Joback Method
ie	8.76 ± 0.05	eV	NIST Webbook
log10ws	-1.62		Crippen Method
logp	1.667		Crippen Method
mcvol	111.370	ml/mol	McGowan Method
pc	3166.83	kPa	Joback Method
rinpol	1071.00		NIST Webbook
rinpol	1071.00		NIST Webbook
tb	508.22	K	Joback Method
tc	737.93	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=C3376327&Units=SI

Legend

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature