

Benzaldehyde, 3,4-dimethoxy-, o-methyloxime

Other names:	Benzaldehyde, 3,4-dimethoxy, methoxime
Inchi:	InChI=1S/C10H13NO3/c1-12-9-5-4-8(7-11-14-3)6-10(9)13-2/h4-7H,1-3H3
InchiKey:	ZMGAYRUZYXUMTI-UHFFFAOYSA-N
Formula:	C10H13NO3
SMILES:	CON=Cc1ccc(OC)c(OC)c1
Mol. weight [g/mol]:	195.22
CAS:	200801-00-9

Physical Properties

Property code	Value	Unit	Source
hf	-350.58	kJ/mol	Joback Method
hvap	52.00	kJ/mol	Joback Method
log10ws	-1.86		Crippen Method
logp	1.684		Crippen Method
mcvol	151.290	ml/mol	McGowan Method
pc	2419.50	kPa	Joback Method
rinpol	1419.00		NIST Webbook
rinpol	1419.00		NIST Webbook
tb	608.78	K	Joback Method
tc	826.91	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=C200801009&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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

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