Benzaldehyde, 4-methyl-, O-methyloxime

Other names:	p-Tolualdehyde, O-methyloxime
	O-Methyl-p-tolualdoxime
Inchi:	InChI=1S/C9H11NO/c1-8-3-5-9(6-4-8)7-10-11-2/h3-7H,1-2H3
InchiKey:	UCYSOTAMOJUSJH-UHFFFAOYSA-N
Formula:	C9H11NO
SMILES:	CON=Cc1ccc(C)cc1
Mol. weight [g/mol]:	149.19
CAS:	33499-39-7

Physical Properties

Property code	Value	Unit	Source
hf	-54.03	kJ/mol	Joback Method
hvap	44.29	kJ/mol	Joback Method
log10ws	-2.09		Crippen Method
logp	1.975		Crippen Method
mcvol	125.460	ml/mol	McGowan Method
pc	2805.41	kPa	Joback Method
rinpol	1320.00		NIST Webbook
tb	536.08	K	Joback Method
tc	762.82	K	Joback Method

Sources

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=C33499397&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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