Benzaldehyde, 4-methyl-, oxime

Other names:	p-Tolualdehyde, oxime
	p-Methylbenzaldoxime
	p-Tolualdoxime
	4-Methylbenzaldoxime
Inchi:	InChI=1S/C8H9NO/c1-7-2-4-8(5-3-7)6-9-10/h2-6,10H,1H3
InchiKey:	SRNDYVBEUZSFEZ-UHFFFAOYSA-N
Formula:	C8H9NO
SMILES:	Cc1ccc(C=NO)cc1
Mol. weight [g/mol]:	135.16
CAS:	3235-02-7

Physical Properties

Property code	Value	Unit	Source
hf	-53.40	kJ/mol	Joback Method
hvap	56.33	kJ/mol	Joback Method
log10ws	-1.25		Crippen Method
logp	1.803		Crippen Method
mcvol	111.370	ml/mol	McGowan Method
pc	3530.46	kPa	Joback Method
rinpol	1234.00		NIST Webbook
rinpol	1234.00		NIST Webbook
ripol	1709.00		NIST Webbook
ripol	1709.00		NIST Webbook
tb	582.96	K	Joback Method
tc	798.49	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=C3235027&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature