2-Methyl-benzaldoxime

Other names: 2-Methylbenzaldehyde oxime
Inchi: InChI=1S/C8H9NO/c1-7-4-2-3-5-8(7)6-9-10/h2-6,10H,1H3
InchiKey: ARLLNMVPNCXCIM-UHFFFAOYSA-N
Formula: C8H9NO
SMILES: Cc1ccccc1C=NO
Mol. weight [g/mol]: 135.16

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	1310.00		NIST Webbook
tb	582.96	K	Joback Method
tc	798.49	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=U373266&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