Glyoxime, methylphenyl-

Inchi: InChI=1S/C9H10N2O2/c1-7(10-12)9(11-13)8-5-3-2-4-6-8/h2-6,12-13H,1H3/b10-7-,11-9+
InchiKey: OHOFOAMRUFMQPH-PWMCPNNSSA-N
Formula: C9H10N2O2
SMILES: CC(=NO)C(=NO)c1ccccc1
Mol. weight [g/mol]: 178.19
CAS: 4937-86-4

Physical Properties

Property code	Value	Unit	Source
hf	-152.16	kJ/mol	Joback Method
hvap	78.05	kJ/mol	Joback Method
log10ws	-2.30		Aqueous Solubility Prediction Method
logp	1.715		Crippen Method
mcvol	137.010	ml/mol	McGowan Method
pc	3202.78	kPa	Joback Method
tb	769.48	K	Joback Method
tc	985.86	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C4937864&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Joback Method: https://en.wikipedia.org/wiki/Joback_method
Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature