(1E,5e)-pentanedial dioxime

Inchi: InChI=1S/C5H10N2O2/c8-6-4-2-1-3-5-7-9/h4-5,8-9H,1-3H2/b6-4+,7-5+
InchiKey: AVRPCDNPQAKCNP-YDFGWWAZSA-N
Formula: C5H10N2O2
SMILES: ON=CCCCC=NO
Mol. weight [g/mol]: 130.15

Physical Properties

Property code	Value	Unit	Source
hf	-286.55	kJ/mol	Joback Method
hvap	66.71	kJ/mol	Joback Method
log10ws	0.45		Crippen Method
logp	1.077		Crippen Method
mcvol	104.410	ml/mol	McGowan Method
pc	3364.54	kPa	Joback Method
tb	651.52	K	Joback Method
tc	839.06	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=B6008038&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature