Cyclopentane-1,2-dione, 3,3,5,5-tetramethyl, bis(o-methyloxime)-(E,Z)-

Inchi: InChI=1S/C11H20N2O2/c1-10(2)7-11(3,4)9(13-15-6)8(10)12-14-5/h7H2,1-6H3/b12-8-,13

InchiKey: RECQGPOZJVAMAO-QRBCZBMESA-N

Formula: C11H20N2O2

SMILES: CON=C1C(=NOC)C(C)(C)CC1(C)C

Mol. weight [g/mol]: 212.29

CAS: 140210-45-3

Physical Properties

Property code	Value	Unit	Source
hf	-382.13	kJ/mol	Joback Method
hvap	50.83	kJ/mol	Joback Method
ie	7.90	eV	NIST Webbook
ie	8.58	eV	NIST Webbook
log10ws	-2.32		Crippen Method
logp	2.447		Crippen Method
mcvol	178.090	ml/mol	McGowan Method
pc	1846.75	kPa	Joback Method
tb	665.33	K	Joback Method
tc	891.99	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=C140210453&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
ie:	Ionization energy
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