Acetaldehyde, O-methyloxime

Other names: Ethanal, O-methyloxime
Inchi: InChI=1S/C3H7NO/c1-3-4-5-2/h3H,1-2H3
InchiKey: KAAHHLOYOIUHHH-UHFFFAOYSA-N
Formula: C3H7NO
SMILES: CC=NOC
Mol. weight [g/mol]: 73.09
CAS: 33581-43-0

Physical Properties

Property code	Value	Unit	Source
hf	-155.25	kJ/mol	Joback Method
hvap	28.00	kJ/mol	Joback Method
log10ws	-0.32		Crippen Method
logp	0.638		Crippen Method
mcvol	64.680	ml/mol	McGowan Method
pc	3773.04	kPa	Joback Method
rinpol	561.00		NIST Webbook
rinpol	561.00		NIST Webbook
tb	367.14	K	Joback Method
tc	558.37	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=C33581430&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