O-methyloxime pentadecanal

Inchi: InChI=1S/C16H33NO/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-2/h16H,3-15H2,1-2H

InchiKey: AUZWSQVZJNSAGW-UHFFFAOYSA-N

Formula: C16H33NO

SMILES: CCCCCCCCCCCCCCC=NOC

Mol. weight [g/mol]: 255.44

Physical Properties

Property code	Value	Unit	Source
hf	-423.57	kJ/mol	Joback Method
hvap	56.93	kJ/mol	Joback Method
log10ws	-5.76		Crippen Method
logp	5.710		Crippen Method
mcvol	247.850	ml/mol	McGowan Method
pc	1208.99	kPa	Joback Method
rinpol	1776.00		NIST Webbook
tb	664.58	K	Joback Method
tc	837.77	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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=R213717&Units=SI

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