2-pentadecanone O-methyloxime

Inchi: InChI=1S/C16H33NO/c1-4-5-6-7-8-9-10-11-12-13-14-15-16(2)17-18-3/h4-15H2,1-3H3/b1
InchiKey: YIDQMHAAIKENNH-WUKNDPDISA-N
Formula: C16H33NO
SMILES: CCCCCCCCCCCCCC(C)=NOC
Mol. weight [g/mol]: 255.44

Physical Properties

Property code	Value	Unit	Source
hf	-433.36	kJ/mol	Joback Method
hvap	57.01	kJ/mol	Joback Method
log10ws	-5.76		Crippen Method
logp	5.710		Crippen Method
mcvol	247.850	ml/mol	McGowan Method
pc	1213.20	kPa	Joback Method
ripol	2619.00		NIST Webbook
ripol	2619.00		NIST Webbook
ripol	2619.00		NIST Webbook
tb	664.46	K	Joback Method
tc	839.60	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=R320375&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature