Acetamide, N-tetradecyl-

Inchi: InChI=1S/C16H33NO/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-17-16(2)18/h3-15H2,1-2H3,(H
InchiKey: JFFBOCCNFSWIPM-UHFFFAOYSA-N
Formula: C16H33NO
SMILES: CCCCCCCCCCCCCCN=C(C)O
Mol. weight [g/mol]: 255.44

Physical Properties

Property code	Value	Unit	Source
hf	-453.37	kJ/mol	Joback Method
hvap	71.28	kJ/mol	Joback Method
log10ws	-5.50		Crippen Method
logp	5.664		Crippen Method
mcvol	247.850	ml/mol	McGowan Method
pc	1310.85	kPa	Joback Method
rinpol	2117.00		NIST Webbook
rinpol	2117.00		NIST Webbook
tb	734.22	K	Joback Method
tc	909.43	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=U406575&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