Propanamide, 3-cyclopentyl-N-decyl-

Inchi: InChI=1S/C18H35NO/c1-2-3-4-5-6-7-8-11-16-19-18(20)15-14-17-12-9-10-13-17/h17H,2-
InchiKey: AKXAVYDKPUHYCH-UHFFFAOYSA-N
Formula: C18H35NO
SMILES: CCCCCCCCCCN=C(O)CCC1CCCC1
Mol. weight [g/mol]: 281.48

Physical Properties

Property code	Value	Unit	Source
hf	-434.17	kJ/mol	Joback Method
hvap	75.99	kJ/mol	Joback Method
log10ws	-5.99		Crippen Method
logp	6.054		Crippen Method
mcvol	265.170	ml/mol	McGowan Method
pc	1299.53	kPa	Joback Method
rinpol	2347.00		NIST Webbook
rinpol	2347.00		NIST Webbook
tb	795.26	K	Joback Method
tc	984.97	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407384&Units=SI
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

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