Propanamide, 3-cyclopentyl-N-undecyl-

Inchi: InChI=1S/C19H37NO/c1-2-3-4-5-6-7-8-9-12-17-20-19(21)16-15-18-13-10-11-14-18/h18H
InchiKey: BKOVDENZXAKKPH-UHFFFAOYSA-N
Formula: C19H37NO
SMILES: CCCCCCCCCCCN=C(O)CCC1CCCC1
Mol. weight [g/mol]: 295.50

Physical Properties

Property code	Value	Unit	Source
hf	-454.81	kJ/mol	Joback Method
hvap	78.22	kJ/mol	Joback Method
log10ws	-6.41		Crippen Method
logp	6.444		Crippen Method
mcvol	279.260	ml/mol	McGowan Method
pc	1214.05	kPa	Joback Method
rinpol	2453.00		NIST Webbook
rinpol	2453.00		NIST Webbook
tb	818.14	K	Joback Method
tc	1009.17	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407385&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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