Propanamide, 3-cyclopentyl-N-nonyl-

Inchi: InChI=1S/C17H33NO/c1-2-3-4-5-6-7-10-15-18-17(19)14-13-16-11-8-9-12-16/h16H,2-15H
InchiKey: IGAARKRGDMZHKU-UHFFFAOYSA-N
Formula: C17H33NO
SMILES: CCCCCCCCCN=C(O)CCC1CCCC1
Mol. weight [g/mol]: 267.45

Physical Properties

Property code	Value	Unit	Source
hf	-413.53	kJ/mol	Joback Method
hvap	73.77	kJ/mol	Joback Method
log10ws	-5.57		Crippen Method
logp	5.664		Crippen Method
mcvol	251.080	ml/mol	McGowan Method
pc	1394.37	kPa	Joback Method
rinpol	2240.00		NIST Webbook
rinpol	2240.00		NIST Webbook
tb	772.38	K	Joback Method
tc	961.42	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=U407383&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature