N-phenethylnonanamide

Inchi: InChI=1S/C17H27NO/c1-2-3-4-5-6-10-13-17(19)18-15-14-16-11-8-7-9-12-16/h7-9,11-12H
InchiKey: DEBIRUJQYCIMKU-UHFFFAOYSA-N
Formula: C17H27NO
SMILES: CCCCCCCCC(O)=NCCc1ccccc1
Mol. weight [g/mol]: 261.40
CAS: 560089-64-7

Physical Properties

Property code	Value	Unit	Source
hf	-237.48	kJ/mol	Joback Method
hvap	75.78	kJ/mol	Joback Method
log10ws	-5.02		Crippen Method
logp	4.936		Crippen Method
mcvol	238.180	ml/mol	McGowan Method
pc	1565.99	kPa	Joback Method
rinpol	2203.90		NIST Webbook
rinpol	2203.90		NIST Webbook
tb	783.78	K	Joback Method
tc	980.39	K	Joback Method

Sources

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=C560089647&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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