Dodecanamide, N-3-methylbutyl-

Inchi: InChI=1S/C17H35NO/c1-4-5-6-7-8-9-10-11-12-13-17(19)18-15-14-16(2)3/h16H,4-15H2,1
InchiKey: ICUINMDEOUGYJX-UHFFFAOYSA-N
Formula: C17H35NO
SMILES: CCCCCCCCCCCC(O)=NCCC(C)C
Mol. weight [g/mol]: 269.47

Physical Properties

Property code	Value	Unit	Source
hf	-479.29	kJ/mol	Joback Method
hvap	73.12	kJ/mol	Joback Method
log10ws	-5.68		Crippen Method
logp	5.910		Crippen Method
mcvol	261.940	ml/mol	McGowan Method
pc	1231.15	kPa	Joback Method
rinpol	2117.00		NIST Webbook
rinpol	2117.00		NIST Webbook
tb	756.66	K	Joback Method
tc	934.77	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=U407566&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