Myristamide, N-butyl-

Inchi: InChI=1S/C18H37NO/c1-3-5-7-8-9-10-11-12-13-14-15-16-18(20)19-17-6-4-2/h3-17H2,1-
InchiKey: YOEJYAGNAHSSAA-UHFFFAOYSA-N
Formula: C18H37NO
SMILES: CCCCCCCCCCCCCC(O)=NCCCC
Mol. weight [g/mol]: 283.49

Physical Properties

Property code	Value	Unit	Source
hf	-494.65	kJ/mol	Joback Method
hvap	75.73	kJ/mol	Joback Method
log10ws	-6.34		Crippen Method
logp	6.444		Crippen Method
mcvol	276.030	ml/mol	McGowan Method
pc	1145.99	kPa	Joback Method
rinpol	2267.00		NIST Webbook
rinpol	2267.00		NIST Webbook
tb	779.98	K	Joback Method
tc	959.07	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=U408021&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