

Myristamide, N-hexyl-

Inchi: InChI=1S/C20H41NO/c1-3-5-7-9-10-11-12-13-14-15-16-18-20(22)21-19-17-8-6-4-2/h3-19
InchiKey: LDGQLZCIZWLVHU-UHFFFAOYSA-N
Formula: C20H41NO
SMILES: CCCCCCCCCCCCCC(O)=NCCCCC
Mol. weight [g/mol]: 311.55

Physical Properties

Property code	Value	Unit	Source
hf	-535.93	kJ/mol	Joback Method
hvap	80.19	kJ/mol	Joback Method
log10ws	-7.18		Crippen Method
logp	7.224		Crippen Method
mcvol	304.210	ml/mol	McGowan Method
pc	1010.37	kPa	Joback Method
rinpol	2465.00		NIST Webbook
rinpol	2465.00		NIST Webbook
tb	825.74	K	Joback Method
tc	1011.52	K	Joback Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U408025&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method

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

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