

Myristamide, N-decyl-

Inchi: InChI=1S/C24H49NO/c1-3-5-7-9-11-13-14-15-16-18-20-22-24(26)25-23-21-19-17-12-10
InchiKey: QOSGVWONFZVPRS-UHFFFAOYSA-N
Formula: C24H49NO
SMILES: CCCCCCCCCCCCCC(O)=NCCCCCCCCCCC
Mol. weight [g/mol]: 367.65

Physical Properties

Property code	Value	Unit	Source
hf	-618.49	kJ/mol	Joback Method
hvap	89.09	kJ/mol	Joback Method
log10ws	-8.85		Crippen Method
logp	8.785		Crippen Method
mcvol	360.570	ml/mol	McGowan Method
pc	802.51	kPa	Joback Method
rinpol	2862.00		NIST Webbook
tb	917.26	K	Joback Method
tc	1126.99	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=U408028&Units=SI>

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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