

# Myristamide, N-(hept-2-yl)-

**Inchi:** InChI=1S/C21H43NO/c1-4-6-8-9-10-11-12-13-14-15-17-19-21(23)22-20(3)18-16-7-5-2/h  
**InchiKey:** JCEXHIAXQGOPJE-UHFFFAOYSA-N  
**Formula:** C21H43NO  
**SMILES:** CCCCCCCCCCCCC(O)=NC(C)CCCC  
**Mol. weight [g/mol]:** 325.57

## Physical Properties

Property code	Value	Unit	Source
hf	-561.85	kJ/mol	Joback Method
hvap	82.02	kJ/mol	Joback Method
log10ws	-7.71		Crippen Method
logp	7.613		Crippen Method
mcvol	318.300	ml/mol	McGowan Method
pc	956.14	kPa	Joback Method
rinpol	2437.00		NIST Webbook
rinpol	2437.00		NIST Webbook
tb	848.18	K	Joback Method
tc	1038.54	K	Joback Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/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=U408024&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/80-216-3/Myristamide-N-hept-2-yl.pdf>

Generated by Cheméo on 2024-04-25 17:17:27.12703137 +0000 UTC m=+16354696.047608686.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.