# Myristamide, N-octadecyl-

**Inchi:** InChI=1S/C32H65NO/c1-3-5-7-9-11-13-15-16-17-18-19-21-23-25-27-29-31-33-32(34)30-
**InchiKey:** ZKNMQGPYNVQBAL-UHFFFAOYSA-N
**Formula:** C32H65NO
**SMILES:** CCCCCCCCCCCCCCCCCCN=C(O)CCCCCCCCCCCCC
**Mol. weight [g/mol]:** 479.86

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -783.61 | kJ/mol | Joback Method |
| hvap | 106.90 | kJ/mol | Joback Method |
| log10ws | -12.20 | | Crippen Method |
| logp | 11.905 | | Crippen Method |
| mcvol | 473.290 | ml/mol | McGowan Method |
| pc | 541.34 | kPa | Joback Method |
| rinpol | 1847.00 | | NIST Webbook |
| tb | 1100.30 | K | Joback Method |
| tc | 1420.22 | K | Joback Method |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U406871&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**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 |