# Propanamide, N-hexyl-2,2-dimethyl

**Inchi:** InChI=1S/C11H23NO/c1-5-6-7-8-9-12-10(13)11(2,3)4/h5-9H2,1-4H3,(H,12,13)
**InchiKey:** BMBYFLMIWBXBIV-UHFFFAOYSA-N
**Formula:** C11H23NO
**SMILES:** CCCCCCN=C(O)C(C)(C)C
**Mol. weight [g/mol]:** 185.31

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -358.92 | kJ/mol | Joback Method |
| hvap | 58.86 | kJ/mol | Joback Method |
| log10ws | -3.17 | | Crippen Method |
| logp | 3.569 | | Crippen Method |
| mcvol | 177.400 | ml/mol | McGowan Method |
| pc | 1952.68 | kPa | Joback Method |
| rinpol | 1386.00 | | NIST Webbook |
| rinpol | 1386.00 | | NIST Webbook |
| tb | 616.59 | K | Joback Method |
| tc | 799.54 | 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=R50903&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 |