# 2-Naphthamide, N-hexyl-

**Inchi:** InChI=1S/C17H21NO/c1-2-3-4-7-12-18-17(19)16-11-10-14-8-5-6-9-15(14)13-16/h5-6,8-1
**InchiKey:** DQECOBQUVOZGQE-UHFFFAOYSA-N
**Formula:** C17H21NO
**SMILES:** CCCCCCN=C(O)c1ccc2ccccc2c1
**Mol. weight [g/mol]:** 255.35

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -57.88 | kJ/mol | Joback Method |
| hvap | 78.09 | kJ/mol | Joback Method |
| log10ws | -5.26 | | Crippen Method |
| logp | 4.725 | | Crippen Method |
| mcvol | 218.720 | ml/mol | McGowan Method |
| pc | 1895.30 | kPa | Joback Method |
| rinpol | 2432.00 | | NIST Webbook |
| rinpol | 2432.00 | | NIST Webbook |
| tb | 807.74 | K | Joback Method |
| tc | 1021.85 | K | Joback Method |

## Sources

**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=U407352&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## 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 |