# Cyclohexanecarboxamide, N-(1-naphthyl)-

**Inchi:** InChI=1S/C17H19NO/c19-17(14-8-2-1-3-9-14)18-16-12-6-10-13-7-4-5-11-15(13)16/h4-7,
**InchiKey:** ZHOHTMQQHGOXDV-UHFFFAOYSA-N
**Formula:** C17H19NO
**SMILES:** OC(=Nc1cccc2ccccc12)C1CCCCC1
**Mol. weight [g/mol]:** 253.34

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -3.56 | kJ/mol | Joback Method |
| hvap | 78.52 | kJ/mol | Joback Method |
| log10ws | -5.41 | | Crippen Method |
| logp | 5.008 | | Crippen Method |
| mcvol | 207.860 | ml/mol | McGowan Method |
| pc | 2284.95 | kPa | Joback Method |
| rinpol | 2412.00 | | NIST Webbook |
| rinpol | 2412.00 | | NIST Webbook |
| tb | 827.29 | K | Joback Method |
| tc | 1069.89 | 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=U306953&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 |