# Benzamide, 2-methyl-N-butyl-

**Inchi:** InChI=1S/C12H17NO/c1-3-4-9-13-12(14)11-8-6-5-7-10(11)2/h5-8H,3-4,9H2,1-2H3,(H,13
**InchiKey:** FVLWAEUVDNUECG-UHFFFAOYSA-N
**Formula:** C12H17NO
**SMILES:** CCCCN=C(O)c1ccccc1C
**Mol. weight [g/mol]:** 191.27

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -145.75 | kJ/mol | Joback Method |
| hvap | 65.32 | kJ/mol | Joback Method |
| log10ws | -3.09 | | Crippen Method |
| logp | 3.100 | | Crippen Method |
| mcvol | 167.730 | ml/mol | McGowan Method |
| pc | 2351.92 | kPa | Joback Method |
| rinpol | 1703.00 | | NIST Webbook |
| tb | 674.36 | K | Joback Method |
| tc | 880.11 | K | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U407394&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
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772

## 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 |

Latest version available from:
https://www.chemeo.com/cid/75-416-7/Benzamide-2-methyl-N-butyl.pdf
Generated by Cheméo on 2024-04-26 04:31:50.240776975 +0000 UTC m=+16395159.161354291.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.