# Benzamide, 3-bromo-N-(hept-2-yl)-

**Inchi:** InChI=1S/C14H20BrNO/c1-3-4-5-7-11(2)16-14(17)12-8-6-9-13(15)10-12/h6,8-11H,3-5,7H
**InchiKey:** HUXXLRPTXAKIIZ-UHFFFAOYSA-N
**Formula:** C14H20BrNO
**SMILES:** CCCCCC(C)N=C(O)c1cccc(Br)c1
**Mol. weight [g/mol]:** 298.22

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -165.98 | kJ/mol | Joback Method |
| hvap | 75.82 | kJ/mol | Joback Method |
| log10ws | -5.15 | | Crippen Method |
| logp | 4.723 | | Crippen Method |
| mcvol | 213.410 | ml/mol | McGowan Method |
| pc | 2110.00 | kPa | Joback Method |
| rinpol | 2124.00 | | NIST Webbook |
| rinpol | 2124.00 | | NIST Webbook |
| tb | 785.84 | K | Joback Method |
| tc | 1000.15 | K | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U407207&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 |