# 2-(2-CHLOROBENZOYL)-PYRIDINE

**Other names:** 2-(2-Chlorobenzoyl)-pyridine
**Inchi:** InChI=1S/C12H8ClNO/c13-10-6-2-1-5-9(10)12(15)11-7-3-4-8-14-11/h1-8H
**InchiKey:** XSPNJXJVXUZKPE-UHFFFAOYSA-N
**Formula:** C12H8ClNO
**SMILES:** O=C(c1ccccn1)c1ccccc1Cl
**Mol. weight [g/mol]:** 217.66

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 53.42 | kJ/mol | Cheméo Relay (1.0) |
| hvap | 88.13 | kJ/mol | Cheméo Relay (1.0) |
| ie | 8.98 | eV | NIST Webbook |
| log10ws | -2.99 | | Cheméo Relay (1.0) |
| logp | 2.966 | | Crippen Method |
| mcvol | 156.210 | ml/mol | McGowan Method |
| tb | 601.78 | K | Cheméo Relay (1.0) |
| tf | 347.36 | K | Cheméo Relay (1.0) |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C1694571&Units=SI
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Cheméo Relay (1.0):**
**Cheméo Relay (1.0, beta):**

## Legend

**hf:** Enthalpy of formation at standard conditions
**hvap:** Enthalpy of vaporization at standard conditions

| | |
|---|---|
| **ie:** | Ionization energy |
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **tb:** | Normal Boiling Point Temperature |
| **tf:** | Normal melting (fusion) point |