# O-chlorobenzaldehyde-2-p-chloro-phenyl hydrazone

**Inchi:** InChI=1S/C13H10Cl2N2/c14-11-5-7-12(8-6-11)17-16-9-10-3-1-2-4-13(10)15/h1-9,17H/b1

**InchiKey:** WHBMWOAEFQIQBK-CXUHLZMHSA-N

**Formula:** C13H10Cl2N2

**SMILES:** Clc1ccc(NN=Cc2ccccc2Cl)cc1

**Mol. weight [g/mol]:** 265.14

**CAS:** 27241-93-6

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 242.68 | kJ/mol | Joback Method |
| hvap | 68.93 | kJ/mol | Joback Method |
| log10ws | -4.72 | | Crippen Method |
| logp | 4.439 | | Crippen Method |
| mcvol | 186.650 | ml/mol | McGowan Method |
| pc | 2500.00 | kPa | Joback Method |
| tb | 761.87 | K | Joback Method |
| tc | 1024.74 | 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=C27241936&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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |