# p-chlorobenzylidene-(4-bromophenyl)-amine

**Inchi:** InChI=1S/C13H9BrClN/c14-11-3-7-13(8-4-11)16-9-10-1-5-12(15)6-2-10/h1-9H/b16-9+
**InchiKey:** TXWQGAMPPNBAPT-CXUHLZMHSA-N
**Formula:** C13H9BrClN
**SMILES:** Clc1ccc(C=Nc2ccc(Br)cc2)cc1
**Mol. weight [g/mol]:** 294.57

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 231.28 | kJ/mol | Joback Method |
| hvap | 64.54 | kJ/mol | Joback Method |
| log10ws | -5.19 | | Crippen Method |
| logp | 4.853 | | Crippen Method |
| mcvol | 181.930 | ml/mol | McGowan Method |
| pc | 2749.78 | kPa | Joback Method |
| rinpol | 2287.00 | | NIST Webbook |
| rinpol | 2287.00 | | NIST Webbook |
| tb | 740.43 | K | Joback Method |
| tc | 1016.66 | K | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R159792&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 |