# 1-Chlorobenzene, 4-(4-bromobenzylidenamino)-

**Other names:** N-[(4-Bromophenyl)methylidene]-4-chloroaniline
p-Bromobenzylidene-(4-chlorophenyl)-amine
Benzenamine, N-[(4-bromophenyl)methylene]-4-chloro-

**Inchi:** InChI=1S/C13H9BrClN/c14-11-3-1-10(2-4-11)9-16-13-7-5-12(15)6-8-13/h1-9H

**InchiKey:** HYGUYDRZPYYAMJ-UHFFFAOYSA-N

**Formula:** C13H9BrClN

**SMILES:** Clc1ccc(N=Cc2ccc(Br)cc2)cc1

**Mol. weight [g/mol]:** 294.57

**CAS:** 55327-54-3

## 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 | 2289.00 | | NIST Webbook |
| tb | 740.43 | K | Joback Method |
| tc | 1016.66 | K | Joback Method |

## Sources

**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

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C55327543&Units=SI

# 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 |