# p-chlorobenzylidene-propyl-amine

**Inchi:** InChI=1S/C10H12ClN/c1-2-7-12-8-9-3-5-10(11)6-4-9/h3-6,8H,2,7H2,1H3
**InchiKey:** VFYCRQDRGSTOGM-UHFFFAOYSA-N
**Formula:** C10H12ClN
**SMILES:** CCCN=Cc1ccc(Cl)cc1
**Mol. weight [g/mol]:** 181.66

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 41.81 | kJ/mol | Joback Method |
| hvap | 48.49 | kJ/mol | Joback Method |
| log10ws | -3.06 | | Crippen Method |
| logp | 3.169 | | Crippen Method |
| mcvol | 145.920 | ml/mol | McGowan Method |
| pc | 2490.03 | kPa | Joback Method |
| rinpol | 1457.00 | | NIST Webbook |
| rinpol | 1457.00 | | NIST Webbook |
| tb | 573.97 | K | Joback Method |
| tc | 803.64 | 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=R159950&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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |