# 2,5-Dichlorobenzyl alcohol, tert.-butyl ether

**Inchi:** InChI=1S/C11H14Cl2O/c1-11(2,3)14-7-8-6-9(12)4-5-10(8)13/h4-6H,7H2,1-3H3
**InchiKey:** HHRQHIPLNPOIOL-UHFFFAOYSA-N
**Formula:** C11H14Cl2O
**SMILES:** CC(C)(C)OCc1cc(Cl)ccc1Cl
**Mol. weight [g/mol]:** 233.13

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 8.87 | kJ/mol | Joback Method |
| hf | -229.23 | kJ/mol | Joback Method |
| hfus | 19.68 | kJ/mol | Joback Method |
| hvap | 53.56 | kJ/mol | Joback Method |
| log10ws | -4.59 | | Crippen Method |
| logp | 4.308 | | Crippen Method |
| mcvol | 172.440 | ml/mol | McGowan Method |
| pc | 2391.19 | kPa | Joback Method |
| rinpol | 1505.00 | | NIST Webbook |
| rinpol | 1505.00 | | NIST Webbook |
| tb | 581.77 | K | Joback Method |
| tc | 806.74 | K | Joback Method |
| tf | 349.68 | K | Joback Method |
| vc | 0.648 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 385.44 | J/mol×K | 581.77 | Joback Method |
| cpg | 447.75 | J/mol×K | 769.24 | Joback Method |
| cpg | 436.98 | J/mol×K | 731.75 | Joback Method |
| cpg | 425.41 | J/mol×K | 694.25 | Joback Method |
| cpg | 412.99 | J/mol×K | 656.76 | Joback Method |
| cpg | 399.68 | J/mol×K | 619.26 | Joback Method |
| cpg | 457.75 | J/mol×K | 806.74 | Joback Method |
| dvisc | 0.0001544 | Pa×s | 581.77 | Joback Method |

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|---|---|---|---|---|
| dvisc | 0.0001968 | Pa×s | 543.09 | Joback Method |
| dvisc | 0.0002604 | Pa×s | 504.41 | Joback Method |
| dvisc | 0.0003609 | Pa×s | 465.73 | Joback Method |
| dvisc | 0.0005307 | Pa×s | 427.04 | Joback Method |
| dvisc | 0.0008427 | Pa×s | 388.36 | Joback Method |
| dvisc | 0.0014821 | Pa×s | 349.68 | Joback Method |

# Sources

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|---|---|
| **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=U378122&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **dvisc:** | Dynamic viscosity |
| **gf:** | Standard Gibbs free energy of formation |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion 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 |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |