# Benzenemethanol, 2-[bis(4-hydroxyphenyl)methyl]-

**Other names:** o-(Bis(p-hydroxyphenyl)methyl)benzyl alcohol
Benzyl alcohol, o-(bis(p-hydroxyphenyl)methyl)-
Bis-(4-hydroxyphenyl)-(2-hydroxymethylphenyl)methane
Egmol
Normolax
Phenolphthalol
Regmolax
Velaxin
2-[Bis(4-hydroxyphenyl)methyl]benzenemethanol
Regolax
NSC 91527

**Inchi:** InChI=1S/C20H18O3/c21-13-16-3-1-2-4-19(16)20(14-5-9-17(22)10-6-14)15-7-11-18(23)1

**InchiKey:** CREICILGVGNQBH-UHFFFAOYSA-N

**Formula:** C20H18O3

**SMILES:** OCc1ccccc1C(c1ccc(O)cc1)c1ccc(O)cc1

**Mol. weight [g/mol]:** 306.36

**CAS:** 81-92-5

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -3.38 | kJ/mol | Joback Method |
| hf | -270.14 | kJ/mol | Joback Method |
| hfus | 41.42 | kJ/mol | Joback Method |
| hvap | 109.92 | kJ/mol | Joback Method |
| log10ws | -4.49 | | Crippen Method |
| logp | 3.770 | | Crippen Method |
| mcvol | 238.990 | ml/mol | McGowan Method |
| pc | 3220.98 | kPa | Joback Method |
| tb | 995.00 | K | Joback Method |
| tc | 1248.50 | K | Joback Method |
| tf | 676.20 | K | Joback Method |
| vc | 0.776 | m3/kmol | Joback Method |

# Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 754.86 | J/mol×K | 995.00 | Joback Method |
| cpg | 769.47 | J/mol×K | 1037.25 | Joback Method |
| cpg | 784.38 | J/mol×K | 1079.50 | Joback Method |
| cpg | 799.86 | J/mol×K | 1121.75 | Joback Method |
| cpg | 816.14 | J/mol×K | 1164.00 | Joback Method |
| cpg | 833.49 | J/mol×K | 1206.25 | Joback Method |
| cpg | 852.15 | J/mol×K | 1248.50 | Joback Method |
| dvisc | 0.0000010 | Pa×s | 676.20 | Joback Method |
| dvisc | 0.0000004 | Pa×s | 729.33 | Joback Method |
| dvisc | 0.0000002 | Pa×s | 782.47 | Joback Method |
| dvisc | 8.1319212e-08 | Pa×s | 835.60 | Joback Method |
| dvisc | 4.2632568e-08 | Pa×s | 888.73 | Joback Method |
| dvisc | 2.4039860e-08 | Pa×s | 941.87 | Joback Method |
| dvisc | 1.4411043e-08 | Pa×s | 995.00 | 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=C81925&Units=SI

# 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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |