# Benzaldehyde, 3-hydroxy, O-methyloxime

**Inchi:** InChI=1S/C8H9NO2/c1-11-9-6-7-3-2-4-8(10)5-7/h2-6,10H,1H3
**InchiKey:** HDPBJRFWHXHXNF-UHFFFAOYSA-N
**Formula:** C8H9NO2
**SMILES:** CON=Cc1cccc(O)c1
**Mol. weight [g/mol]:** 151.16

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -199.23 | kJ/mol | Joback Method |
| hvap | 54.42 | kJ/mol | Joback Method |
| log10ws | -1.17 | | Crippen Method |
| logp | 1.373 | | Crippen Method |
| mcvol | 117.240 | ml/mol | McGowan Method |
| pc | 3773.04 | kPa | Joback Method |
| rinpol | 1433.00 | | NIST Webbook |
| tb | 588.84 | K | Joback Method |
| tc | 830.11 | K | Joback Method |

# Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R100062&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

# 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 |

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