# Benzaldehyde, 4-hydroxy-3,5-dimethoxy, O-methyloxime

**Inchi:** InChI=1S/C10H13NO4/c1-13-8-4-7(6-11-15-3)5-9(14-2)10(8)12/h4-6,12H,1-3H3/b11-6+

**InchiKey:** MJTDYYTTXGODPQ-IZZDOVSWSA-N

**Formula:** C10H13NO4

**SMILES:** CON=Cc1cc(OC)c(O)c(OC)c1

**Mol. weight [g/mol]:** 211.21

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -527.89 | kJ/mol | Joback Method |
| hvap | 65.01 | kJ/mol | Joback Method |
| log10ws | -1.41 | | Crippen Method |
| logp | 1.390 | | Crippen Method |
| mcvol | 157.160 | ml/mol | McGowan Method |
| pc | 2817.33 | kPa | Joback Method |
| rinpol | 1776.00 | | NIST Webbook |
| tb | 689.40 | K | Joback Method |
| tc | 916.28 | K | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R100082&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

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772

## 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 |