# Benzaldehyde, 4-hydroxy-, oxime

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|---|---|
| **Other names:** | Benzaldehyde, p-hydroxy-, oxime |
| | p-Hydroxybenzaldehyde oxime |
| | p-Hydroxybenzaldoxime |
| | 4-Hydroxybenzaldehyde oxime |
| | 4-Hydroxybenzaldoxime |
| **Inchi:** | InChI=1S/C7H7NO2/c9-7-3-1-6(2-4-7)5-8-10/h1-5,9-10H |
| **InchiKey:** | LJEARAFLOCEYHX-UHFFFAOYSA-N |
| **Formula:** | C7H7NO2 |
| **SMILES:** | ON=Cc1ccc(O)cc1 |
| **Mol. weight [g/mol]:** | 137.14 |
| **CAS:** | 699-06-9 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -198.60 | kJ/mol | Joback Method |
| hvap | 66.46 | kJ/mol | Joback Method |
| log10ws | -0.32 | | Crippen Method |
| logp | 1.200 | | Crippen Method |
| mcvol | 103.150 | ml/mol | McGowan Method |
| pc | 4938.44 | kPa | Joback Method |
| tb | 635.72 | K | Joback Method |
| tc | 863.97 | K | Joback Method |

# Sources

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|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C699069&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

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|---|---|
| **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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |