# Phthalaldehydic acid, oxime

**Other names:** Phthaldehydic acid oxime
**Inchi:** InChI=1S/C8H7NO3/c10-8(11)7-4-2-1-3-6(7)5-9-12/h1-5,12H,(H,10,11)
**InchiKey:** VLRVPJCWMLBRTQ-UHFFFAOYSA-N
**Formula:** C8H7NO3
**SMILES:** O=C(O)c1ccccc1C=NO
**Mol. weight [g/mol]:** 165.15
**CAS:** 6383-59-1

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -318.21 | kJ/mol | Joback Method |
| hvap | 79.76 | kJ/mol | Joback Method |
| log10ws | -0.84 | | Crippen Method |
| logp | 1.193 | | Crippen Method |
| mcvol | 118.810 | ml/mol | McGowan Method |
| pc | 4283.05 | kPa | Joback Method |
| tb | 729.01 | K | Joback Method |
| tc | 936.80 | K | Joback Method |

# Sources

**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=C6383591&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

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