# «alpha»-Chlorocyclooctanone oxime

**Inchi:** InChI=1S/C8H14ClNO/c9-7-5-3-1-2-4-6-8(7)10-11/h7,11H,1-6H2
**InchiKey:** CLUUAPBIIZAOJL-UHFFFAOYSA-N
**Formula:** C8H14ClNO
**SMILES:** ON=C1CCCCCCC1Cl
**Mol. weight [g/mol]:** 175.66
**CAS:** 10499-33-9

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -293.39 | kJ/mol | Joback Method |
| hvap | 59.38 | kJ/mol | Joback Method |
| ie | 9.19 ± 0.03 | eV | NIST Webbook |
| log10ws | -2.15 | | Crippen Method |
| logp | 2.778 | | Crippen Method |
| mcvol | 136.510 | ml/mol | McGowan Method |
| pc | 3072.75 | kPa | Joback Method |
| tb | 619.30 | K | Joback Method |
| tc | 842.51 | K | Joback Method |

## Sources

**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=C10499339&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

**hf:** Enthalpy of formation at standard conditions
**hvap:** Enthalpy of vaporization at standard conditions

| | |
|---|---|
| **ie:** | Ionization energy |
| **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 |