# «alpha»-Methyl-«alpha»-[4-methyl-3-pentenyl]oxi

**Other names:** 1,2-Oxolinalool
**Inchi:** InChI=1S/C10H18O2/c1-8(2)5-4-6-10(3,11)9-7-12-9/h5,9,11H,4,6-7H2,1-3H3
**InchiKey:** BXOURKNXQXLKRK-UHFFFAOYSA-N
**Formula:** C10H18O2
**SMILES:** CC(C)=CCCC(C)(O)C1CO1
**Mol. weight [g/mol]:** 170.25

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 23.34 | kJ/mol | Joback Method |
| hvap | 73.76 | kJ/mol | Cheméo Relay (1.0) |
| log10ws | -1.44 | | Cheméo Relay (1.0) |
| logp | 1.883 | | Crippen Method |
| mcvol | 148.340 | ml/mol | McGowan Method |
| ripol | 1446.00 | | NIST Webbook |
| tb | 511.71 | K | Cheméo Relay (1.0) |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 382.69 | J/mol×K | 554.88 | Joback Method |
| cpg | 396.66 | J/mol×K | 586.27 | Joback Method |
| cpg | 409.78 | J/mol×K | 617.66 | Joback Method |
| cpg | 422.09 | J/mol×K | 649.05 | Joback Method |
| cpg | 433.67 | J/mol×K | 680.45 | Joback Method |
| cpg | 444.58 | J/mol×K | 711.84 | Joback Method |
| cpg | 454.87 | J/mol×K | 743.23 | Joback Method |

## Sources

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

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Cheméo Relay (1.0):** | |
| **Cheméo Relay (1.0, beta):** | |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U132130&Units=SI |
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **hfus:** | Enthalpy of fusion 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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |