# exo-Tricyclo[6,2,1,0(2,6)]dec-3-en-8-«alpha»-ol

**Inchi:** InChI=1S/C10H14O/c11-10-5-6-4-9(10)8-3-1-2-7(6)8/h1-2,6-11H,3-5H2/t6?,7-,8-,9?,10-/r
**InchiKey:** HIPPBUJQSIICJN-KNJCMARUSA-N
**Formula:** C10H14O
**SMILES:** OC1CC2CC1C1CC=CC21
**Mol. weight [g/mol]:** 150.22

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 81.19 | kJ/mol | Joback Method |
| hf | -172.62 | kJ/mol | Joback Method |
| hfus | 21.41 | kJ/mol | Joback Method |
| hvap | 54.12 | kJ/mol | Joback Method |
| log10ws | -1.95 | | Crippen Method |
| logp | 1.579 | | Crippen Method |
| mcvol | 120.750 | ml/mol | McGowan Method |
| pc | 3456.14 | kPa | Joback Method |
| rinpol | 1278.00 | | NIST Webbook |
| ripol | 1969.00 | | NIST Webbook |
| tb | 534.69 | K | Joback Method |
| tc | 736.28 | K | Joback Method |
| tf | 305.86 | K | Joback Method |
| vc | 0.462 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 322.98 | J/mol×K | 534.69 | Joback Method |
| cpg | 339.03 | J/mol×K | 568.29 | Joback Method |
| cpg | 354.01 | J/mol×K | 601.89 | Joback Method |
| cpg | 368.00 | J/mol×K | 635.48 | Joback Method |
| cpg | 381.07 | J/mol×K | 669.08 | Joback Method |
| cpg | 393.31 | J/mol×K | 702.68 | Joback Method |
| cpg | 404.78 | J/mol×K | 736.28 | Joback Method |
| dvisc | 0.0046592 | Pa×s | 305.86 | Joback Method |

| | | | | |
|---|---|---|---|---|
| dvisc | 0.0031885 | Pa×s | 344.00 | Joback Method |
| dvisc | 0.0023537 | Pa×s | 382.14 | Joback Method |
| dvisc | 0.0018359 | Pa×s | 420.28 | Joback Method |
| dvisc | 0.0014924 | Pa×s | 458.41 | Joback Method |
| dvisc | 0.0012524 | Pa×s | 496.55 | Joback Method |
| dvisc | 0.0010776 | Pa×s | 534.69 | 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=R386271&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **dvisc:** | Dynamic viscosity |
| **gf:** | Standard Gibbs free energy of formation |
| **hf:** | Enthalpy of formation at standard conditions |
| **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 |
| **pc:** | Critical Pressure |
| **rinpol:** | Non-polar retention indices |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |