# 6-propoxy-dihydroindole

**Inchi:** InChI=1S/C11H15NO/c1-2-7-13-10-4-3-9-5-6-12-11(9)8-10/h3-4,8,12H,2,5-7H2,1H3
**InchiKey:** DTNUFIMNHTYVOU-UHFFFAOYSA-N
**Formula:** C11H15NO
**SMILES:** CCCOc1ccc2c(c1)NCC2
**Mol. weight [g/mol]:** 177.24

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 186.06 | kJ/mol | Joback Method |
| hf | -58.05 | kJ/mol | Joback Method |
| hfus | 25.35 | kJ/mol | Joback Method |
| hvap | 53.07 | kJ/mol | Joback Method |
| log10ws | -2.72 | | Crippen Method |
| logp | 2.443 | | Crippen Method |
| mcvol | 147.080 | ml/mol | McGowan Method |
| pc | 3079.57 | kPa | Joback Method |
| rinpol | 1657.00 | | NIST Webbook |
| ripol | 2509.00 | | NIST Webbook |
| tb | 570.10 | K | Joback Method |
| tc | 793.29 | K | Joback Method |
| tf | 414.63 | K | Joback Method |
| vc | 0.556 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 354.33 | J/mol×K | 570.10 | Joback Method |
| cpg | 369.75 | J/mol×K | 607.30 | Joback Method |
| cpg | 384.26 | J/mol×K | 644.50 | Joback Method |
| cpg | 397.89 | J/mol×K | 681.70 | Joback Method |
| cpg | 410.70 | J/mol×K | 718.90 | Joback Method |
| cpg | 422.72 | J/mol×K | 756.09 | Joback Method |
| cpg | 434.00 | J/mol×K | 793.29 | Joback Method |

# Sources

| | |
|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=R135241&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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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **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 |