# 5-Pregnen-3«beta»-ol-20-one, O-methyloxime

**Other names:** 5-Pregnen-3«beta»-ol-20-one, MO
**Inchi:** InChI=1S/C22H35NO2/c1-14(23-25-4)18-7-8-19-17-6-5-15-13-16(24)9-11-21(15,2)20(17
**InchiKey:** KKWPHPAMYMPJIV-UHFFFAOYSA-N
**Formula:** C22H35NO2
**SMILES:** CON=C(C)C1CCC2C3CC=C4CC(O)CCC4(C)C3CCC12C
**Mol. weight [g/mol]:** 345.52

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -433.26 | kJ/mol | Joback Method |
| hvap | 85.29 | kJ/mol | Joback Method |
| log10ws | -5.63 | | Crippen Method |
| logp | 4.949 | | Crippen Method |
| mcvol | 290.520 | ml/mol | McGowan Method |
| pc | 1373.78 | kPa | Joback Method |
| rinpol | 2681.00 | | NIST Webbook |
| tb | 932.84 | K | Joback Method |
| tc | 1164.73 | 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=U394540&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

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