

# 5-«alpha»-Pregnan-11,20-dione, MO

**Inchi:** InChI=1S/C23H38N2O2/c1-15(24-26-4)18-11-12-19-17-10-9-16-8-6-7-13-22(16,2)21(17)  
**InchiKey:** MZWPWOPEEMZKBQ-RKZMHPEESA-N  
**Formula:** C23H38N2O2  
**SMILES:** CON=C(C)C1CCC2C3CCC4CCCCC4(C)C3C(=NOC)CC12C  
**Mol. weight [g/mol]:** 374.56

## Physical Properties

Property code	Value	Unit	Source
hf	-439.17	kJ/mol	Joback Method
hvap	76.43	kJ/mol	Joback Method
log10ws	-5.82		Crippen Method
logp	5.670		Crippen Method
mcvol	314.590	ml/mol	McGowan Method
pc	1073.57	kPa	Joback Method
rinpol	2524.00		NIST Webbook
tb	960.98	K	Joback Method
tc	1206.29	K	Joback Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/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=R486341&Units=SI>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l

<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/22-298-7/5-alpha-Pregnan-11-20-dione-MO.pdf>

Generated by Cheméo on 2024-04-20 16:36:59.807359734 +0000 UTC m=+15920268.727937047.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.