

Pregn-4-ene-3,20-dione, bis(O-methyloxime)

Other names:	Progesterone, bis(O-methyloxime) Progesterone-3,20-dimethoxime Progesterone, MO-TMS
Inchi:	InChI=1S/C23H36N2O2/c1-15(24-26-4)19-8-9-20-18-7-6-16-14-17(25-27-5)10-12-22(16,
InchiKey:	WCBFSBXYZBTGBQ-NCKLTAKHSA-N
Formula:	C23H36N2O2
SMILES:	CON=C1C=C2CCC3C(CCC4(C)C(C(C)=NOC)CCC34)C2(C)CC1
Mol. weight [g/mol]:	372.54
CAS:	26432-00-8

Physical Properties

Property code	Value	Unit	Source
hf	-372.52	kJ/mol	Joback Method
hvac	77.70	kJ/mol	Joback Method
log10ws	-5.92		Crippen Method
logp	5.590		Crippen Method
mccvol	310.290	ml/mol	McGowan Method
pc	1112.59	kPa	Joback Method
rinpol	2900.00		NIST Webbook
rinpol	2900.00		NIST Webbook
tb	969.79	K	Joback Method
tc	1217.22	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
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=C26432008&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
r_{inpol}:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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