

# 20«beta»-Dihydropregnenolone, MO-TMS

**Other names:** Silane, [[(3«beta»,20R)-pregn-5-ene-3,20-diyl]bis(oxy)]bis[trimethyl-  
Silane, (pregn-5-en-3«beta»,20«beta»-ylenedioxy)bis[trimethyl-  
Pregnane, silane deriv.  
Bis-3«beta»,20«beta»-trimethylsilyloxy-5-pregnene  
3,20-Bis[(trimethylsilyl)oxy]pregn-5-ene, (3«beta»,20«beta»)-  
5-Pregnen-3«beta»,20«beta»-diol, bis-TMS  
5-Pregnen-3-«beta»,20-«beta»-diol, TMS  
Pregn-5-ene-3,20-diol, (3«beta»,20r)-, 2tms derivative

**Inchi:** InChI=1S/C27H50O2Si2/c1-19(28-30(4,5)6)23-12-13-24-22-11-10-20-18-21(29-31(7,8)9)

**InchiKey:** PXQKWIRLXRMAD-HFRBDLMJSA-N

**Formula:** C27H50O2Si2

**SMILES:** CC(O[Si](C)(C)C)C1CCC2C3CC=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C

**Mol. weight [g/mol]:** 462.86

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.61		Crippen Method
logp	8.026		Crippen Method
rinpol	2860.00		NIST Webbook
rinpol	2812.00		NIST Webbook
rinpol	2826.00		NIST Webbook
rinpol	2851.00		NIST Webbook
rinpol	2851.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C33283113&Units=SI>

**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)

# Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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