

# Silane, [[(3«alpha»)-pregn-5-ene-3,20-diyl]bis(oxy)]bis[tri

Other names:

Silane, [[(3«alpha»)-pregn-5-ene-3,20-diyl]bis(oxy)]bis\*trimethyl-5-Pregnene-3«alpha»,20«alpha»-diol, EO-TMS

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: PXQKWIROLXRMAD-BWPZAQKZSA-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

CAS: 55515-25-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.61		Crippen Method
logp	8.026		Crippen Method
rinpol	2737.00		NIST Webbook
rinpol	2741.00		NIST Webbook
rinpol	2740.00		NIST Webbook

## 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)

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55515258&Units=SI>

## Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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<https://www.chemeo.com/cid/76-588-6/Silane-3-alpha-pregn-5-ene-3-20-diyl-bis-oxy-bis-trimethyl.pdf>

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