

# Silane, [(3«beta»,5«alpha»)-cholest-7-en-3-yloxy]trimethyl

Other names:

5«alpha»-Cholest-7-ene, 3«beta»-(trimethylsiloxy)-

Lanosterol, trimethylsilyl ether

5«alpha»-Cholest-7-en-3«beta»-ol, TMS

5A-Cholest-7-en-3B-ol, TMS

Cholest-7-en-3-ol, (3«beta»,5«alpha»)-, tms derivative

**Inchi:** InChI=1S/C30H54OSi/c1-21(2)10-9-11-22(3)26-14-15-27-25-13-12-23-20-24(31-32(6,7)8

**InchiKey:** AUFYGLINRMYPDP-BFENLWBISA-N

**Formula:** C30H54OSi

**SMILES:** CC(C)CCCC(C)C1CCC2C3=CCC4CC(O[Si](C)(C)C)CCC4(C)C3CCC21C

**Mol. weight [g/mol]:** 458.83

**CAS:** 2665-03-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.13		Crippen Method
logp	9.248		Crippen Method
rinpol	3195.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C2665034&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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