

# Stigmasterol trimethylsilyl ether

**Other names:**

Silane, trimethyl[[[(3«beta»,22E)-stigmasta-5,22-dien-3-yl]oxy]-  
Silane, trimethyl(stigmasta-5,22-dien-3«beta»-yloxy)-  
3«beta»-(Trimethylsiloxy)stigmasta-5,22-diene  
(3«beta»,22E)-3-[(Trimethylsilyl)oxy]stigmasta-5,22-diene  
Stigmasterol, TMS  
Stigmasterol, tms derivative

**Inchi:**

InChI=1S/C32H56OSi/c1-10-24(22(2)3)12-11-23(4)28-15-16-29-27-14-13-25-21-26(33-3

**InchiKey:**

SZLWSWKRZSAHBC-WBNRRFFXSA-N

**Formula:**

C32H56OSi

**SMILES:**

CCC(C=CC(C)C1CCC2C3CC=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C)C(C)C

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

484.87

**CAS:**

14030-29-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.58		Crippen Method
logp	9.660		Crippen Method
rinpol	3274.30		NIST Webbook
rinpol	3262.00		NIST Webbook
rinpol	3286.00		NIST Webbook
rinpol	3286.00		NIST Webbook
rinpol	3274.00		NIST Webbook
rinpol	3290.00		NIST Webbook
rinpol	3274.00		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=C14030296&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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