

# Silane, [(3«beta»)-cholesta-5,7-dien-3-yloxy]trimethyl-

Other names:

Silane, (cholesta-5,7-dien-3«beta»-yloxy)trimethyl-

5,7-Cholestadien-3«beta»-ol, TMS

4-Cholesten-3-one, TMS

5,7-Cholestadien-3B-ol, TMS

7-Dehydrocholesterin, tms derivative

Inchi:

InChI=1S/C30H52OSi/c1-21(2)10-9-11-22(3)26-14-15-27-25-13-12-23-20-24(31-32(6,7)8

InchiKey:

MMOYFYVZAFLUGC-QEBKCPIMSA-N

Formula:

C30H52OSi

SMILES:

CC(C)CCCC(C)C1CCC2C3=CC=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC21C

Mol. weight [g/mol]:

456.82

CAS:

2625-44-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.22		Crippen Method
logp	9.168		Crippen Method
rincpol	3202.00		NIST Webbook

## Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C2625447&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

**rincpol:** Non-polar retention indices

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