

# Silane, [(3«alpha»,5«beta»)-cholestan-3-yl]oxy]trimethyl-

Other names:

5«beta»-Cholestan-3«alpha»-ol, trimethylsilyl ether

Inchi: InChI=1S/C30H56OSi/c1-21(2)10-9-11-22(3)26-14-15-27-25-13-12-23-20-24(31-32(6,7)8

InchiKey: HRLPEXVPNOBUDF-UHFFFAOYSA-N

Formula: C30H56OSi

SMILES: CC(C)CCCC(C)C1CCC2C3CCC4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C

Mol. weight [g/mol]: 460.85

CAS: 55331-93-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.03		Crippen Method
logp	9.328		Crippen Method
rinpola	3073.40		NIST Webbook

## Sources

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=C55331936&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpola:** Non-polar retention indices

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<https://www.chemeo.com/cid/13-838-7/Silane-3-alpha-5-beta-cholestan-3-yl-oxy-trimethyl.pdf>

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