

Silane, [(3«beta»)-cholesta-5,24-dien-3-yloxy]trimethyl-

Other names:

Cholesta-5,24-diene, 3«beta»-(trimethylsiloxy)-
3-[(Trimethylsilyl)oxy]cholesta-5,24-diene, (3.beta)-
Desmosterol, TMS
Cholestane, silane derivative
Desmosterol, O-trimethylsilyl-
Desmosterol, 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: VEODFHBSLVRNGP-UHFFFAOYSA-N

Formula: C30H52OSi

SMILES: CC(C)=CCCC(C)C1CCC2C3CC=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C

Mol. weight [g/mol]: 456.82

CAS: 18880-60-9

Physical Properties

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

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18880609&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinsol: Non-polar retention indices

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