

3,7-Bis[(trimethylsilyl)oxy]cholest-5-ene, (3«beta»,7«beta»)-

Other names:

Silane, [[(3«beta»,7«beta»)-cholest-5-ene-3,7-diol]bis(oxy)]bis(trimethyl-
Silane, (cholest-5-en-3«beta»,7«beta»-ylenedioxy)bis(trimethyl-
7«beta»-Hydroxycholesterol, bis(trimethylsilyl) ether
5-Cholesten-3«beta»,7«beta»-diol, bis-TMS
5-Cholesten-3beta,7beta-diol, (2TMS)-
5-Cholesten-3-«beta»,7-«alpha»-diol, TMS
5-Cholesten-3-«beta»,7-«beta»-diol, TMS
5-Cholesten-3B,7B-diol, TMS
5-Cholesten-3B,7A-diol, TMS

Inchi:

InChI=1S/C33H62O2Si2/c1-23(2)13-12-14-24(3)27-15-16-28-31-29(18-20-33(27,28)5)32

InchiKey:

OOKKWPKBWGMRMW-HMDOOITBSA-N

Formula:

C33H62O2Si2

SMILES:

CC(C)CCCC(C)C1CCC2C3C(O[Si](C)(C)C)C=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C

Mol. weight [g/mol]:

547.02

CAS:

33287-26-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.64		Crippen Method
logp	10.078		Crippen Method
rinpol	3245.00		NIST Webbook

Sources

Crippen Method:

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

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C33287262&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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