

3,24-Bis[(trimethylsilyl)oxy]cholest-5-ene, (3«beta»,24R)-

Other names:	Silane, [[[3«beta»,24R)-cholest-5-ene-3,24-diol]]bis(oxy)]bis[trimethyl-(24R)-Hydroxycholesterol, di-TMS (24R)-Hydroxycholesterol, bis-TMS 5-Cholesten-(3«beta»,24R)-diol, bis-TMS 5-Cholesten-3B(24R)-24-diol, TMS 24-Hydroxycholesterol, TMS 24-Hydroxycholesterol, di-TMS 25-Hydroxycholesterol, di-TMS
Inchi:	InChI=1S/C33H62O2Si2/c1-23(2)31(35-37(9,10)11)17-12-24(3)28-15-16-29-27-14-13-25
InchiKey:	IDFZCXSXIWKWOC-ADHLUSNTSA-N
Formula:	C33H62O2Si2
SMILES:	CC(C)C(CCC(C)C1CCC2C3CC=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C)O[Si](C)(C)C
Mol. weight [g/mol]:	547.02
CAS:	55517-69-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.64		Crippen Method
logp	10.078		Crippen Method
rinpol	3390.00		NIST Webbook
rinpol	3395.00		NIST Webbook
rinpol	3385.00		NIST Webbook
rinpol	3385.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55517696&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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