Cholesterol, tert-butyldimethylsilyl ether

Other names:	(3«beta»)-3-Pyrrol[tert-butyl(dimethyl)silyl]oxymorphocholest-5-ene
	Cholesterol, tbdms derivative
Inchi:	InChI=1S/C33H60OSi/c1-23(2)12-11-13-24(3)28-16-17-29-27-15-14-25-22-26(34-35(9,1
InchiKey:	CXIGRSVIJKSIQL-UHFFFAOYSA-N
Formula:	C33H60OSi
SMILES:	CC(C)CCCC(C)C1CCC2C3CC=C4CC(O[Si](C)(C)C(C)(C)C)CCC4(C)C3CCC12C
Mol. weight [g/mol]:	500.91

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.39		Crippen Method
logp	10.418		Crippen Method
rinpol	3419.20		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U332885&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
rinpol:	Non-polar retention indices