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

Other names:	Silane, (5«alpha»-cholestan-3«beta»-yloxy)trimethyl-
	3-[(Trimethylsilyl)oxy]cholestane, (3«beta»,5«alpha»)-
	5«alpha»-cholestan-3«beta»-ol, TMS
	3«beta»-Cholestanyl trimethylsilyl ether
	Cholestane, 3-[(trimethylsilyl)oxy]-, (3«beta»,5«alpha»)-
	Dihydrocholesterol, TMS ether
	5«alpha»-cholestan-3«beta»-ol (dihydrocholesterol), TMS
	Cholestanol (5«alpha»-cholestan-3«beta»-ol), TMS
	5A-Cholestan-3B-ol, TMS
	Cholestan-3-ol, (3«beta»,5«alpha»)-, tms derivative
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-XECMYXEYSA-N
Formula:	C30H56OSi
SMILES:	CC(C)CCCC(C)C1CCC2C3CCC4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C
Mol. weight [g/mol]:	460.85
CAS:	18880-51-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.03		Crippen Method
logp	9.328		Crippen Method
rinpol	3169.00		NIST Webbook
rinpol	3175.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18880518&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

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