

# Coprostan-3-ol, tert-butyldimethylsilyl ether

<b>Other names:</b>	5«beta»-Cholestan-3«alpha»-ol, tert-butyldimethylsilyl ether
<b>Inchi:</b>	InChI=1S/C33H62OSi/c1-23(2)12-11-13-24(3)28-16-17-29-27-15-14-25-22-26(34-35(9,10)21)31-32
<b>InchiKey:</b>	MTTUKKKFWZKHGA-QFFWKFCOSA-N
<b>Formula:</b>	C33H62OSi
<b>SMILES:</b>	CC(C)CCCC(C)C1CCC2C3CCC4CC(O[Si](C)(C)C(C)(C)C)CCC4(C)C3CCC12C
<b>Mol. weight [g/mol]:</b>	502.93
<b>CAS:</b>	86679-45-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.29		Crippen Method
logp	10.498		Crippen Method
rinpol	3298.20		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C86679450&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C86679450&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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