

Silane, [[(3«beta»,24R)-ergost-5-en-3-yl]oxy]trimethyl-

Other names:

3-[(Trimethylsilyl)oxy]ergost-5-ene, (3beta,24R)-

Campesterol, TMS ether

Campesterol, TMS

Campesterol, trimethylsilyl ether

Campesterol (24«alpha»-methylcholest-5-en-3«beta»-ol), TMS

Campesterol, tms derivative

Inchi:

InChI=1S/C31H56OSi/c1-21(2)22(3)10-11-23(4)27-14-15-28-26-13-12-24-20-25(32-33(7

InchiKey:

VWYCDHUXOZENHE-UHFFFAOYSA-N

Formula:

C31H56OSi

SMILES:

CC(C)C(C)CCC(C)C1CCC2C3CC=C4CC(O[Si](C)(C)C)CCC4(C)C3CCC12C

Mol. weight [g/mol]:

472.86

CAS:

55429-62-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.31		Crippen Method
logp	9.494		Crippen Method
rinpol	3249.50		NIST Webbook
rinpol	3263.00		NIST Webbook
rinpol	3253.00		NIST Webbook
rinpol	3204.00		NIST Webbook

Sources

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C55429624&Units=SI>

Crippen Method:

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

Legend

log10ws:

Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:

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