Silane, [[(3«alpha»,5«alpha»,17«beta»)-androstane-3,17-d

Other names: Silane, [[(3«alpha»,5«alpha»,17«beta»)-androstane-3,17-diyl]bis(oxy)]bis*(1,1-dimethylethyl)dim
Androstane, silane deriv.
3-«alpha»,17-«beta»-Bis(tert-butyldimethylsilyloxy)-5-«alpha»-androstane
5«alpha»-Androstane-3«alpha»,17«beta»-diol, bis(tert-butyldimethylsilyl) ether

Inchi: InChI=1S/C31H60O2Si2/c1-28(2,3)34(9,10)32-23-17-19-30(7)22(21-23)13-14-24-25-15-1

InchiKey: VXQXLCZNGSUBJR-QHDZDOOTSA-N

Formula: C31H60O2Si2

SMILES: CC12CCC(O[Si](C)(C)C(C)(C)C)CC1CCC1C2CCC2(C)C(O[Si](C)(C)C(C)(C)C)CCC12

Mol. weight [g/mol]: 520.98

CAS: 57711-48-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.43		Crippen Method
logp	9.810		Crippen Method
rinpol	3070.80		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C57711485&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices