

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

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-

**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](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

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