Silane, [[(3«beta»,17«beta»)-androst-5-ene-3,17-diyl]bis(o

Other names: Silane, [[(3«beta»,17«beta»)-androst-5-ene-3,17-diyl]bis(oxy)]bis*(1,1-dimethylethyl)dimethyl-; 5-Androsten-3«beta»,17«beta»-diol, TBDMS

Inchi: InChI=1S/C31H58O2Si2/c1-28(2,3)34(9,10)32-23-17-19-30(7)22(21-23)13-14-24-25-15-1

InchiKey: JBKBAKSCRPCKEG-NJKIHCFFSA-N

Formula: C31H58O2Si2

SMILES: CC12CCC(O[Si](C)(C)C(C)(C)C)CC1=CCC1C2CCC2(C)C(O[Si](C)(C)C(C)(C)C)CCC12

Mol. weight [g/mol]: 518.96

CAS: 42151-22-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.20		Cheméo Relay (1.0)
logp	9.730		Crippen Method
rinpol	3170.00		NIST Webbook
rinpol	3170.00		NIST Webbook
tf	391.73	K	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C42151224&Units=SI

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

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

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

tf: Normal melting (fusion) point