5«alpha»-Androstane-3«alpha»,17«beta»-diol, bis(trimethylsilyl) ether

Other names: Silane, [[(3«alpha»,5«alpha»,17«beta»)-androstane-3,17-diyl]bis(oxy)]bis[trimethyl-
5«alpha»-Androstane-3«alpha»,17«beta»-diol, di-TMS
3,17-Bis[(trimethylsilyl)oxy]androstane, (3«alpha»,5«alpha»,17«beta»)-
5«alpha»-Androstanediol-3«alpha»,17«beta», bis-TMS
Androstane, 3,17-bis[(trimethylsilyl)oxy]-, (3«alpha»,5«alpha»,17«beta»)-
5-«beta»-Androstan-3-«alpha»,17-«alpha»-diol, TMS
5«beta»-Androstanediol-3«alpha»,17«alpha», bis-TMS
3A,17B-Dihydroxy-5A-androstane, bis-TMS
5B-Androstane-3A,17A-diol, TMS
3A,17A-Dihydroxy-5B-androstane, TMS
5A-Androstan-3A,17B-diol, bis-TMS
Androstane-3,17-diol, (3«alpha»,5«alpha»,17«beta»)-, 2tms derivative

Inchi: InChI=1S/C25H48O2Si2/c1-24-15-13-19(26-28(3,4)5)17-18(24)9-10-20-21-11-12-23(27-

InchiKey: KBSHKNYEUGMMDQ-LVVCFMQNSA-N

Formula: C25H48O2Si2

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

Mol. weight [g/mol]: 436.82

CAS: 10426-36-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.92		Crippen Method
logp	7.469		Crippen Method
rinpol	2555.00		NIST Webbook
rinpol	2576.00		NIST Webbook
rinpol	2546.00		NIST Webbook
rinpol	2576.00		NIST Webbook
rinpol	2555.00		NIST Webbook
rinpol	2570.00		NIST Webbook
rinpol	2580.00		NIST Webbook

Sources

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C10426365&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices