

# Androst-4-en-17«alpha»-methyl-17«beta»-ol-3-one

**TMS**  
Other names:

Methyltestosterone, TMS

Methyltestosterone, per-TMS

17«alpha»-Methyltestosterone, bis-TMS (2,4-diene)

Androst-4-en-3-on-17B-ol, 17A-methyl, TMS

**Inchi:** InChI=1S/C26H46O2Si2/c1-24-15-12-20(27-29(4,5)6)18-19(24)10-11-21-22(24)13-16-25

**InchiKey:** IYXWCTMLWBXDAX-IEHATGJWSA-N

**Formula:** C26H46O2Si2

**SMILES:** CC12CC=C(O[Si](C)(C)C)C=C1CCC1C2CCC2(C)C1CCC2(C)O[Si](C)(C)C

**Mol. weight [g/mol]:** 446.81

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.67		Crippen Method
logp	7.905		Crippen Method
rinpol	2826.00		NIST Webbook
rinpol	2794.00		NIST Webbook
rinpol	2791.00		NIST Webbook
rinpol	2797.00		NIST Webbook
rinpol	2791.00		NIST Webbook
rinpol	2826.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R82071&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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