

# Androstan-17-one, 3-[(trimethylsilyl)oxy]-, (3«alpha»,5«alpha»)-

Other names:

5«alpha»-Androstan-17-one, 3«alpha»-(trimethylsiloxy)-  
3-[(Trimethylsilyl)oxy]androstan-17-one-, (3«alpha»,5«alpha»)-  
5«alpha»-Androstan-3«alpha»-ol-17-one, TMS  
Androsterone, TMS  
Androsterone, TMSi (3-O)  
Androsterone, trimethylsilyl ether  
Androsterone, 3-[(trimethylsilyl)oxy]-  
5«ALPHA»-androstan-3«alpha»-ol-17-one, tms derivative

Inchi: InChI=1S/C22H38O2Si/c1-21-12-10-16(24-25(3,4)5)14-15(21)6-7-17-18-8-9-20(23)22(18)

InchiKey: RKALSSDGCWKGKQ-VENWGGTKSA-N

Formula: C22H38O2Si

SMILES: CC12CCC3C(CCC4CC(O[Si](C)(C)C)CCC43C)C1CCC2=O

Mol. weight [g/mol]: 362.62

CAS: 7337-91-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.69		Crippen Method
logp	5.818		Crippen Method
rinpol	2485.00		NIST Webbook
rinpol	2458.00		NIST Webbook
rinpol	2505.00		NIST Webbook
rinpol	2499.00		NIST Webbook
rinpol	2515.00		NIST Webbook
rinpol	2452.00		NIST Webbook
rinpol	2499.00		NIST Webbook
rinpol	2452.00		NIST Webbook

## Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C7337919&Units=SI>

# Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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