

Testosterone, 17-O-(t-butylidimethylsilyl)-

Other names:	Testosterone, TBDMSi Testosterone, tbdms derivative
Inchi:	InChI=1S/C25H42O2Si/c1-23(2,3)28(6,7)27-22-11-10-20-19-9-8-17-16-18(26)12-14-24(1)
InchiKey:	RSOSYYWFEQKUMW-RAEUIGNCSA-N
Formula:	C25H42O2Si
SMILES:	CC12CCC(=O)C=C1CCC1C2CCC2(C)C(O[Si](C)(C)C(C)(C)C)CCC12
Mol. weight [g/mol]:	402.69

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.04		Crippen Method
logp	6.909		Crippen Method
rinpola	2920.00		NIST Webbook
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Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U151331&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpola:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/83-893-9/Testosterone-17-O-t-butylidimethylsilyl.pdf>

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