

TESTOSTERONE, 17-O-(T-BUTYLDIMETHYLSILYL)-

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:	CC(C)(C)[Si](C)(C)O[C@H]1CC[C@H]2[C@@H]3CCC4=CC(=O)CC[C@]4(C)[C@H]3C
Mol. weight [g/mol]:	402.69

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.77		Cheméo Relay (1.0)
logp	6.909		Crippen Method
rinpol	2920.00		NIST Webbook
rinpol	2920.00		NIST Webbook
tf	424.59	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U151331&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):

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tf:	Normal melting (fusion) point

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<https://www.cheméo.com/cid/83-893-9/TESTOSTERONE-17-O-T-BUTYLDIMETHYLSILYL.pdf>

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