# O-tetramethylene(tert-butyl)silylandrosterone

**Other names:** 3-[(1-tert-Butyl-1-silolanyl)oxy]androstan-17-one, (3«alpha»)-Androsterone, TMTBSi (3-O)
**Inchi:** InChI=1S/C27H46O2Si/c1-25(2,3)30(16-6-7-17-30)29-20-12-14-26(4)19(18-20)8-9-21-22
**InchiKey:** BSVQVMAFWBNYSZ-RDLYBWGCSA-N
**Formula:** C27H46O2Si
**SMILES:** CC12CCC3C(CCC4C[C@H](O[Si]5(C(C)(C)C)CCCC5)CCC43C)C1CCC2=O
**Mol. weight [g/mol]:** 430.75

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -6.38 | | Cheméo Relay (1.0) |
| logp | 7.523 | | Crippen Method |
| tf | 452.46 | K | Cheméo Relay (1.0) |

## Sources

**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C64898175&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
**tf:** Normal melting (fusion) point

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.