

Silandrone

Other names:

Androst-4-en-3-one, 17-[(trimethylsilyl)oxy]-, (17«beta»)-
Androst-4-en-3-one, 17«beta»-(trimethylsiloxy)-
O-Trimethylsilyltestosterone
Silandrone
SC 16148
Testosterone trimethylsilyl ether
17«beta»-(Trimethylsiloxy)testosterone
17«beta»-(Trimethylsiloxy)androst-4-en-3-one
NSC 95147
17-[(Trimethylsilyl)oxy]androst-4-en-3-one, (17«beta»)-
Testosterone, tms derivative

Inchi:

InChI=1S/C22H36O2Si/c1-21-12-10-16(23)14-15(21)6-7-17-18-8-9-20(24-25(3,4)5)22(18)

InchiKey:

HNZDTAXZHUITM-QHGVIAAZSA-N

Formula:

C₂₂H₃₆O₂Si

SMILES:

CC12CCC(=O)C=C1CCC1C2CCC2(C)C(O[Si](C)(C)C)CCC12

Mol. weight [g/mol]:

360.61

CAS:

5055-42-5

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -3.79 | | Crippen Method |
| logp | 5.738 | | Crippen Method |
| rinpol | 2653.00 | | NIST Webbook |

Sources

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C5055425&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
rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/65-331-2/Silandrone.pdf>

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