# 4-Cholesten-7-«alpha»-ol-3-one, TMS

**Other names:** 7«alpha»-Hydroxy-4-cholesten-3-one, TMS
7-«alpha»-Hydroxycholest-4-en-3-one, TMS
**Inchi:** InChI=1S/C33H60O2Si2/c1-23(2)13-12-14-24(3)27-15-16-28-31-29(18-20-33(27,28)5)32
**InchiKey:** FEHLHHZINBWGES-BJUUDQGOSA-N
**Formula:** C33H60O2Si2
**SMILES:** CC(C)CCCC(C)C1CCC2C3C(O[Si](C)(C)C)CC4=CC(O[Si](C)(C)C)=CCC4(C)C3CCC12
**Mol. weight [g/mol]:** 545.00

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -5.87 | | Crippen Method |
| logp | 10.203 | | Crippen Method |
| rinpol | 3230.00 | | NIST Webbook |
| rinpol | 3200.00 | | NIST Webbook |
| rinpol | 3210.00 | | NIST Webbook |
| rinpol | 3210.00 | | NIST Webbook |
| rinpol | 3230.00 | | NIST Webbook |
| rinpol | 3235.00 | | NIST Webbook |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R150057&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

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