

# «alpha»-Tocopherol, TMS

**Inchi:** InChI=1S/C32H58O2Si/c1-23(2)15-12-16-24(3)17-13-18-25(4)19-14-21-32(8)22-20-29-2  
**InchiKey:** MJWXSUWKOCZGBM-CAHKVJEUSA-N  
**Formula:** C32H58O2Si  
**SMILES:** Cc1c(C)c2c(c(C)c1O[Si](C)(C)C)CCC(C)(CCCC(C)CCCC(C)CCCC(C)C)O2  
**Mol. weight [g/mol]:** 502.89

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -9.23   |      | Crippen Method |
| logp          | 10.348  |      | Crippen Method |
| rinpol        | 3143.00 |      | NIST Webbook   |
| rinpol        | 3149.00 |      | NIST Webbook   |
| rinpol        | 3143.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R573287&Units=SI>

## 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/46-205-3/alpha-Tocopherol-TMS.pdf>

Generated by Cheméo on 2024-04-19 01:47:43.042945574 +0000 UTC m=+15780511.963522889.

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