

(+)-«alpha»-Tocopherol, O-trimethylsilyl-

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|-----------------------------|--|
| Other names: | «alpha»-Tocopherol, trimethylsilyl ether ALPHA-TOCOPHEROL-TMS «ALPHA»-tocopherol, tms derivative |
| 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-UHFFFAOYSA-N |
| Formula: | C32H58O2Si |
| SMILES: | <chem>Cc1c(C)c2c(c(C)c1O[Si](C)(C)C)CCC(C)(CCCC(C)CCCC(C)CCCC(C)C)O2</chem> |
| Mol. weight [g/mol]: | 502.89 |
| CAS: | 2733-26-8 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -9.23 | | Crippen Method |
| logp | 10.348 | | Crippen Method |
| rinpol | 3156.00 | | NIST Webbook |
| rinpol | 3136.00 | | NIST Webbook |
| rinpol | 3145.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C2733268&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

Legend

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

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<https://www.cheméo.com/cid/22-903-4/alpha-Tocopherol-O-trimethylsilyl.pdf>

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