

# 10,16-dihydroxyhexadecanoic acid, TMSi ester TMSi ether

**Inchi:** InChI=1S/C25H56O4Si3/c1-30(2,3)27-23-19-15-14-17-21-24(28-31(4,5)6)20-16-12-10-1  
**InchiKey:** HDZSINPZCOAWHY-UHFFFAOYSA-N  
**Formula:** C25H56O4Si3  
**SMILES:** C[Si](C)(C)OCCCCCCC(CCCCCCCC(=O)O[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 504.97

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -1.59   |      | Crippen Method |
| logp          | 8.507   |      | Crippen Method |
| rinpol        | 2575.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=R423682&Units=SI>

## Legend

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

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