

# Dodecanoic acid, 9,10-epoxy-12-hydroxy, methyl ester, OH-TMS

**Inchi:** InChI=1S/C16H32O4Si/c1-18-16(17)12-10-8-6-5-7-9-11-14-15(20-14)13-19-21(2,3)4/h14  
**InchiKey:** VPTIWFTZSSFKGU-UHFFFAOYSA-N  
**Formula:** C16H32O4Si  
**SMILES:** COC(=O)CCCCCCCC1OC1CO[Si](C)(C)C  
**Mol. weight [g/mol]:** 316.51

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -1.73   |      | Crippen Method |
| logp          | 3.899   |      | Crippen Method |
| rinpol        | 2020.00 |      | NIST Webbook   |
| rinpol        | 2020.00 |      | 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=R554840&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/56-965-9/Dodecanoic-acid-9-10-epoxy-12-hydroxy-methyl-ester-OH-TMS.pdf>

Generated by Cheméo on 2024-04-26 06:59:36.603474609 +0000 UTC m=+16404025.524051930.

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