

# Tert-butyldimethylsilyl 2,2,3,3-tetramethyl-4,7,10,13,16,19,22,25,28,31-decanoate

**Inchi:** InChI=1S/C32H68O12Si2/c1-31(2,3)45(7,8)43-28-27-41-24-23-39-20-19-37-16-15-35-12  
**InchiKey:** QXFKBBZHPFGANU-UHFFFAOYSA-N  
**Formula:** C32H68O12Si2  
**SMILES:** CC(C)(C)[Si](C)(C)OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCC(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 701.05

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 0.95    |      | Crippen Method |
| logp          | 4.706   |      | Crippen Method |
| rinpol        | 3974.70 |      | 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=R578059&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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