

# Tetradecanoic acid, 2-hydroxy, DTBS

**Inchi:** InChI=1S/C22H44O3Si/c1-8-9-10-11-12-13-14-15-16-17-18-19-20(23)25-26(24-19,21(2,3,4,5,6,7)22)27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100  
**InchiKey:** FFNLSEDXTUUUGV-UHFFFAOYSA-N  
**Formula:** C22H44O3Si  
**SMILES:** CCCCCCCCCCCC1O[Si](C(C)(C)C)(C(C)(C)C)OC1=O  
**Mol. weight [g/mol]:** 384.67

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.62		Crippen Method
logp	7.282		Crippen Method
rinpol	2385.00		NIST Webbook
rinpol	2385.00		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=R115490&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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