

# Dehydroascorbic acid, dimer, TMS

**Inchi:** InChI=1S/C24H44O12Si4/c1-37(2,3)31-15-13-27-21-17(15)29-19(25)23(21,35-39(7,8)9)3  
**InchiKey:** FFMBBTCDQUJTEG-UHFFFAOYSA-N  
**Formula:** C24H44O12Si4  
**SMILES:** C[Si](C)(C)OC1COC23OC45OCC(O[Si](C)(C)C)C4OC(=O)C5(O[Si](C)(C)C)OC2(O[Si](C)(C)C)OC1  
**Mol. weight [g/mol]:** 636.94

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.16		Crippen Method
logp	2.873		Crippen Method
rinpol	1840.00		NIST Webbook
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## Sources

**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=R634283&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

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

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<https://www.chemeo.com/cid/77-403-9/Dehydroascorbic-acid-dimer-TMS.pdf>

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