

# Raffinose, undecakis-TMS

**Inchi:** InChI=1S/C51H120O16Si11/c1-68(2,3)53-35-39-42(61-72(13,14)15)44(63-74(19,20)21)4  
**InchiKey:** HKNREENPQG00IO-XJLVRAOZSA-N  
**Formula:** C51H120O16Si11  
**SMILES:** C[Si](C)(C)OCC1OC(OCC2OC(OC3(CO[Si](C)(C)C)OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C  
**Mol. weight [g/mol]:** 1298.43

## Physical Properties

Property code	Value	Unit	Source
log10ws	12.14		Crippen Method
logp	12.880		Crippen Method
rinpol	3505.00		NIST Webbook

## 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=R573767&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/11-810-9/Raffinose-undecakis-TMS.pdf>

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