

# Prednisone, tetra-TMS

**Inchi:** InChI=1S/C33H58O5Si4/c1-31-19-17-25(36-40(6,7)8)21-24(31)15-16-26-27-18-20-33(38)  
**InchiKey:** VYLAUAYARLRLOZ-VMPMDZIUSA-N  
**Formula:** C33H58O5Si4  
**SMILES:** CC12C=CC(O[Si](C)(C)C)=CC1=CCC1C2=C(O[Si](C)(C)C)CC2(C)C1CCC2(O[Si](C)(C)C)  
**Mol. weight [g/mol]:** 647.15

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.60		Crippen Method
logp	9.181		Crippen Method
rinpol	3153.00		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=R558119&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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<https://www.chemeo.com/cid/42-975-3/Prednisone-tetra-TMS.pdf>

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