

# 20-hydroxy-methylprednisolone, MO-tetraTMS (1)

**Inchi:** InChI=1S/C35H67NO5Si4/c1-25-21-27-28-18-20-35(41-45(14,15)16,31(40-44(11,12)13)29-30)/46-47-48-49  
**InchiKey:** METMJCRIDWEDOX-GQTIQGSJSA-N  
**Formula:** C35H67NO5Si4  
**SMILES:** CON=C1C=CC2(C)C(=C1)C(C)CC1C2C(O[Si](C)(C)C)CC2(C)C1CCC2(O[Si](C)(C)C)C(C)C1  
**Mol. weight [g/mol]:** 694.25

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.44		Crippen Method
logp	9.465		Crippen Method
rinpol	3296.00		NIST Webbook
rinpol	3296.00		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=R252009&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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