

# 4,5-Dihydroprednisone, MO TMS

**Inchi:** InChI=1S/C36H71N3O5Si5/c1-34-22-20-28(37-42-47(9,10)11)24-27(34)18-19-29-30-21-  
**InchiKey:** VYDMMUZXMDXTSH-OCHZSEBLSA-N  
**Formula:** C36H71N3O5Si5  
**SMILES:** CC12C=CC(=NO[Si](C)(C)C)CC1CCC1C2C(=NO[Si](C)(C)C)CC2(C)C1CCC2(O[Si](C)(C)C)C  
**Mol. weight [g/mol]:** 766.39

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.86		Crippen Method
logp	10.479		Crippen Method
rinpol	3092.00		NIST Webbook
rinpol	3092.00		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=R66148&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/26-945-4/4-5-Dihydroprednisone-MO-TMS.pdf>

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