

# Dexamethasone, MO TMS

**Inchi:** InChI=1S/C33H59FN2O5Si3/c1-23-19-27-26-16-15-24-20-25(35-37-4)17-18-30(24,2)32(2,3)1-2  
**InchiKey:** LQJAJGCNYDJNPW-QFCDCLMFSA-N  
**Formula:** C33H59FN2O5Si3  
**SMILES:** CON=C1C=CC2(C)C(=C1)CCC1C3CC(C)C(O[Si](C)(C)C)(C(CO[Si](C)(C)C)=NOC)C3(C)C  
**Mol. weight [g/mol]:** 667.09

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.80		Crippen Method
logp	8.340		Crippen Method
rinpol	3376.00		NIST Webbook
rinpol	3376.00		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=R44085&Units=SI>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/73-623-9/Dexamethasone-MO-TMS.pdf>

Generated by Cheméo on 2024-04-19 18:39:27.716411443 +0000 UTC m=+15841216.636988755.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.