

# 1(7)-Tetrahydrocannabinol, TMS

**Inchi:** InChI=1S/C24H38O2Si/c1-8-9-10-11-18-15-21-23(22(16-18)26-27(5,6)7)19-14-17(2)12-1  
**InchiKey:** YKPKRXKXTLFUDN-UHFFFAOYSA-N  
**Formula:** C24H38O2Si  
**SMILES:** C=C1CCC2C(C1)c1c(cc(CCCCC)cc1O[Si](C)(C)C)OC2(C)C  
**Mol. weight [g/mol]:** 386.64

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.87		Crippen Method
logp	7.244		Crippen Method
rinpol	2365.70		NIST Webbook
rinpol	2335.00		NIST Webbook
rinpol	2335.00		NIST Webbook
rinpol	2365.70		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=U417227&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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