

# 1-Tetrahydrocannabinol, TBDMS

**Inchi:** InChI=1S/C27H44O2Si/c1-10-11-12-13-20-17-23-25(24(18-20)29-30(8,9)26(3,4)5)21-16  
**InchiKey:** JLRFZWKTGGRERL-VXKWHMMOSA-N  
**Formula:** C27H44O2Si  
**SMILES:** CCCCCc1cc2c(c(O[Si](C)(C)C(C)(C)C)c1)C1C=C(C)CCC1C(C)(C)O2  
**Mol. weight [g/mol]:** 428.72

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.12		Crippen Method
logp	8.414		Crippen Method
rinpol	2560.00		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=R526013&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/66-766-9/1-Tetrahydrocannabinol-TBDMS.pdf>

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