

# Silane, (1,1-dimethylethyl)dimethyl[(6a,7,10,10a-tetrahydro-6aR-trans)- (6aR-trans)-

Other names:

«delta»1(6)-Tetrahydrocannabinol tert-butyl dimethylsilyl ether

6-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:** UUQPIXMMBJUVMT-FGZHOGPDSA-N

**Formula:** C27H44O2Si

**SMILES:** CCCCCc1cc2c(c(O[Si](C)(C)C(C)(C)C)c1)C1CC(C)=CCC1C(C)(C)O2

**Mol. weight [g/mol]:** 428.72

**CAS:** 61919-32-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.12		Crippen Method
logp	8.414		Crippen Method
rinpol	2542.00		NIST Webbook
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## Sources

**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=C61919322&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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