Silane, (1,1-dimethylethyl)dimethyl[(6a,7,8,10a-tetrahydro (6aR-trans)-

Other names: «delta»(1)-Tetrahydrocannabinol tert-butyldimethylsilyl ether
Cannabinol, 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-FGZHOGPDSA-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

CAS: 61919-31-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.12		Crippen Method
logp	8.414		Crippen Method
rinpol	2660.00		NIST Webbook
rinpol	2660.00		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C61919311&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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