

# Silane, (1,1-dimethylethyl)(dotriacontyloxy)dimethyl-

Other names:

tert-Butyl-dotriacontoxy-dimethylsilane

tert-Butyldimethyl(dotriacontyloxy)silane

Dotriacontyl tert-butyldimethylsilyl ether

1-Dotriacontanol, tert-butyldimethylsilyl ether

Inchi: InChI=1S/C38H80OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey: VKGVRXBFAYTSSW-UHFFFAOYSA-N

Formula: C38H80OSi

SMILES: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 581.13

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.87		Crippen Method
logp	14.731		Crippen Method
rinpol	3788.40		NIST Webbook

## Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U351866&Units=SI>

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

Crippen Method: [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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