

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

Other names:

tert-Butyl-triacontoxy-dimethylsilane  
tert-Butyldimethyl(triacontyloxy)dimethylsilane  
Triacontyl tert-butyldimethylsilyl ether  
1-Triacontanol, tert-butyldimethylsilyl ether  
1-Triacontanol, tbdms derivative

Inchi:

InChI=1S/C36H76OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey:

HOHMHSSRQWCOAO-UHFFFAOYSA-N

Formula:

C36H76OSi

SMILES:

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

553.07

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.03		Crippen Method
logp	13.951		Crippen Method
rinpol	3588.20		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=U351851&Units=SI>

## Legend

log10ws:

Log10 of Water solubility in mol/l

logp:

Octanol/Water partition coefficient

rinpol:

Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/83-319-6/Silane-1-1-dimethylethyl-dimethyl-triacontyloxy.pdf>

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