

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

Other names:	tert-Butyl-dimethyl-tetratriacontoxysilane tert-Butyldimethyl(tetratriacontyloxy)silane Tetratriacontyl tert-butyldimethylsilyl ether 1-Tetratriacontanol, tert-butyldimethylsilyl ether
Inchi:	InChI=1S/C40H84OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2
InchiKey:	UNAPWEUPSDTNRK-UHFFFAOYSA-N
Formula:	C40H84OSi
SMILES:	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	609.18

## Physical Properties

Property code	Value	Unit	Source
log10ws	-13.70		Crippen Method
logp	15.511		Crippen Method
rinpol	3986.80		NIST Webbook
rinpol	3986.80		NIST Webbook

## Sources

NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U351865&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U351865&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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