

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

Other names:

tert-Butyl-dimethyl-nonadecoxysilane

tert-Butyldimethyl(nonadecyloxy)silane

Nonadecyl tert-butyldimethylsilyl ether

1-Nonadecanol, tert-butyldimethylsilyl ether

1-Nonadecanol, tbdms derivative

Inchi: InChI=1S/C25H54OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27(5)

InchiKey: LCKKAFCQTRCUPC-UHFFFAOYSA-N

Formula: C25H54OSi

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

Mol. weight [g/mol]: 398.78

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.43		Crippen Method
logp	9.660		Crippen Method
rinpol	2484.30		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=U351855&Units=SI>

## Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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<https://www.chemeo.com/cid/86-730-6/Silane-1-1-dimethylethyl-dimethyl-nonadecyloxy.pdf>

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