

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

Other names:

tert-Butyl-heptacosoxy-dimethylsilane  
tert-Butyl(heptacosyloxy)dimethylsilane  
Heptacosyl tert-butyldimethylsilyl ether  
1-Heptacosanol, tert-butyldimethylsilyl ether  
1-Heptacosanol, tbdms derivative

Inchi:

InChI=1S/C33H70OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey:

JPVKJBKUWSJRLB-UHFFFAOYSA-N

Formula:

C33H70OSi

SMILES:

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

510.99

## Physical Properties

Property code	Value	Unit	Source
log10ws	-10.77		Crippen Method
logp	12.781		Crippen Method
rinsol	3290.00		NIST Webbook
rinsol	3290.00		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=U351864&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinsol:** Non-polar retention indices

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