

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

Other names:

1-Octadecanol, DMTBS  
1-Octadecanol, O-TBDMS  
1-Octadecanol, tBDMS  
1-Octadecanol, tert-butyldimethylsilyl ether  
1-Octadecyl tert-butyldimethylsilyl ether  
1-Octadecanol, tbdms derivative

Inchi:

InChI=1S/C24H52OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-25-26(5,6)2

InchiKey:

FLXIDOPWVJYZFM-UHFFFAOYSA-N

Formula:

C24H52OSi

SMILES:

CCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

384.75

CAS:

65598-00-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.01		Crippen Method
logp	9.270		Crippen Method
ripol	2395.00		NIST Webbook
ripol	2384.50		NIST Webbook
ripol	2382.50		NIST Webbook
ripol	2395.00		NIST Webbook
ripol	2395.00		NIST Webbook
ripol	2384.50		NIST Webbook
ripol	2339.00		NIST Webbook
ripol	2339.00		NIST Webbook
ripol	2339.00		NIST Webbook

## Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C65598007&Units=SI>

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)

# Legend

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

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