

# Tridecanoic acid, tert-butyldimethylsilyl ester

<b>Other names:</b>	Tridecanoic acid, TBDMS Tridecanoic acid, DMTBS tert-Butyl(dimethyl)silyl tridecanoate Tridecanoic acid, tbdms derivative
<b>Inchi:</b>	InChI=1S/C19H40O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18(20)21-22(5,6)19(2,3)4/h7-
<b>InchiKey:</b>	PXCWFNVFJUAXJX-UHFFFAOYSA-N
<b>Formula:</b>	C19H40O2Si
<b>SMILES:</b>	CCCCCCCCCCCC(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	328.61
<b>CAS:</b>	104255-78-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.69		Crippen Method
logp	6.846		Crippen Method
rinpol	1983.00		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=C104255789&Units=SI>

## 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

Latest version available from:

<https://www.chemeo.com/cid/99-764-5/Tridecanoic-acid-tert-butyldimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-25 05:23:32.913771357 +0000 UTC m=+16311861.834348673.  
Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.