

# Undecanoic acid, tert-butyldimethylsilyl ester

<b>Other names:</b>	Undecanoic acid, TBDMS Undecanoic acid, DMTBS Undecanoic acid, tbdms derivative
<b>Inchi:</b>	InChI=1S/C17H36O2Si/c1-7-8-9-10-11-12-13-14-15-16(18)19-20(5,6)17(2,3)4/h7-15H2,1
<b>InchiKey:</b>	IJPQNIPLGFIDLM-UHFFFAOYSA-N
<b>Formula:</b>	C17H36O2Si
<b>SMILES:</b>	CCCCCCCCCCC(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	300.55
<b>CAS:</b>	104255-75-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.85		Crippen Method
logp	6.066		Crippen Method
rinpol	1781.60		NIST Webbook
rinpol	1782.00		NIST Webbook
rinpol	1784.00		NIST Webbook
rinpol	1773.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C104255756&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C104255756&amp;Units=SI</a>

## 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

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