

# Trimethyl[4-(1,1,3,3,-tetramethylbutyl)phenoxy]silane

<b>Other names:</b>	Phenol, 4-tert.-octyl, TMS 4-Tert-octylphenol, tms derivative
<b>Inchi:</b>	InChI=1S/C17H30OSi/c1-16(2,3)13-17(4,5)14-9-11-15(12-10-14)18-19(6,7)8/h9-12H,13H
<b>InchiKey:</b>	LGVXTVHRVKVONW-UHFFFAOYSA-N
<b>Formula:</b>	C17H30OSi
<b>SMILES:</b>	CC(C)(C)CC(C)(C)c1ccc(O[Si](C)(C)C)cc1
<b>Mol. weight [g/mol]:</b>	278.50
<b>CAS:</b>	78721-87-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.23		Crippen Method
logp	5.614		Crippen Method
rinpol	1631.00		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=C78721876&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C78721876&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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