

# Trimethyl(4-tert-butylphenoxy)silane

<b>Other names:</b>	(4-tert-Butylphenoxy)(trimethyl)silane Phenol, 4-tert-butyl, TMS Benzene, 1-(1,1-dimethylethyl)-4-[(trimethylsilyl)oxy]- 4-tert-Butylphenol, TMS 4-Tert-butylphenol, tms derivative
<b>Inchi:</b>	InChI=1S/C13H22OSi/c1-13(2,3)11-7-9-12(10-8-11)14-15(4,5)6/h7-10H,1-6H3
<b>InchiKey:</b>	BOYZHAJSEIKQJF-UHFFFAOYSA-N
<b>Formula:</b>	C13H22OSi
<b>SMILES:</b>	CC(C)(C)c1ccc(O[Si](C)(C)C)cc1
<b>Mol. weight [g/mol]:</b>	222.40
<b>CAS:</b>	25237-79-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.79		Crippen Method
logp	4.198		Crippen Method
rinpol	1341.00		NIST Webbook
rinpol	1351.00		NIST Webbook
rinpol	1341.00		NIST Webbook
rinpol	1351.00		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=C25237790&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C25237790&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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