

# Silane, trimethyl(3-methylphenoxy)-

<b>Other names:</b>	Silane, trimethyl(m-tolyloxy)- Trimethyl(m-tolyloxy)silane 3-Methylphenyl trimethylsilyl ether 3-Methyl-1-trimethylsilyloxybenzene 3-Methylphenol, TMS ether 3-Methylphenol, TMS m-tolyl trimethylsilyl ether
<b>Inchi:</b>	InChI=1S/C10H16OSi/c1-9-6-5-7-10(8-9)11-12(2,3)4/h5-8H,1-4H3
<b>InchiKey:</b>	UYBLRZBUAXYZQO-UHFFFAOYSA-N
<b>Formula:</b>	C10H16OSi
<b>SMILES:</b>	Cc1cccc(O[Si](C)(C)C)c1
<b>Mol. weight [g/mol]:</b>	180.32
<b>CAS:</b>	17902-31-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.96		Crippen Method
logp	3.209		Crippen Method
rinpol	1117.00		NIST Webbook
rinpol	1134.00		NIST Webbook
rinpol	1140.00		NIST Webbook
rinpol	1117.00		NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	49.70	kJ/mol	384.50	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=C17902317&Units=SI>

## Legend

**hvapt:** Enthalpy of vaporization at a given temperature

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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<https://www.chemeo.com/cid/17-635-8/Silane-trimethyl-3-methylphenoxy.pdf>

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