

# Silane, (4-methoxyphenyl)trimethyl-

<b>Other names:</b>	Silane, (p-methoxyphenyl)trimethyl- (p-Methoxyphenyl)trimethylsilane (4-Methoxyphenyl)trimethylsilane
<b>Inchi:</b>	InChI=1S/C10H16OSi/c1-11-9-5-7-10(8-6-9)12(2,3)4/h5-8H,1-4H3
<b>InchiKey:</b>	XYZOPPYWEMJIAD-UHFFFAOYSA-N
<b>Formula:</b>	C10H16OSi
<b>SMILES:</b>	COc1ccc([Si](C)(C)C)cc1
<b>Mol. weight [g/mol]:</b>	180.32
<b>CAS:</b>	877-68-9

## Physical Properties

Property code	Value	Unit	Source
hvap	56.90 ± 0.80	kJ/mol	NIST Webbook
ie	8.03	eV	NIST Webbook
ie	8.47	eV	NIST Webbook
log10ws	-4.26		Crippen Method
logp	2.240		Crippen Method
rinpol	1142.00		NIST Webbook
rinpol	1142.00		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=C877689&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C877689&amp;Units=SI</a>

## Legend

<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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