

# Silane, ethoxytriphenyl-

<b>Other names:</b>	Triphenylethoxysilane Ethoxytriphenylsilane Ethyl triphenylsilyl ether
<b>Inchi:</b>	InChI=1S/C20H20OSi/c1-2-21-22(18-12-6-3-7-13-18,19-14-8-4-9-15-19)20-16-10-5-11-1
<b>InchiKey:</b>	ZVJXKUWNRVOUTI-UHFFFAOYSA-N
<b>Formula:</b>	C20H20OSi
<b>SMILES:</b>	CCO[Si](c1ccccc1)(c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	304.46
<b>CAS:</b>	1516-80-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.58		Crippen Method
logp	2.690		Crippen Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	89.70	kJ/mol	528.50	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=C1516809&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1516809&amp;Units=SI</a>

## Legend

**hvapt:** Enthalpy of vaporization at a given temperature  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

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