

# O-Ethyl-O'-(trimethyl)silyl methylphosphonate

<b>Other names:</b>	O-Ethyl methylphosphonic acid, TMS deriv. Ethyl methylphosphonic acid, TMS derivative Methylphosphonic acid, monoethyl ester, TMS Phosphonic acid, methyl-, ethyl trimethylsilyl ester Methyl ethylphosphonate, TMS Ethyl methylphosphonate, tms derivative
<b>Inchi:</b>	InChI=1S/C6H17O3PSi/c1-6-8-10(2,7)9-11(3,4)5/h6H2,1-5H3
<b>InchiKey:</b>	BHDYDJPYRDYAA-UHFFFAOYSA-N
<b>Formula:</b>	C6H17O3PSi
<b>SMILES:</b>	CCOP(C)(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	196.26
<b>CAS:</b>	57451-30-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.83		Crippen Method
logp	2.697		Crippen Method

## Sources

<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=C57451306&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C57451306&amp;Units=SI</a>
<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>

## Legend

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

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