

# Phosphonic acid, ethyl-, bis(trimethylsilyl) ester

<b>Other names:</b>	O,O-bis(trimethylsilyl)ethanephosphonate Ethylphosphonic acid, di-TMS derivative Ethylphosphonic acid, TMS Ethylphosphonic acid, 2tms derivative
<b>Inchi:</b>	InChI=1S/C8H23O3PSi2/c1-8-12(9,10-13(2,3)4)11-14(5,6)7/h8H2,1-7H3
<b>InchiKey:</b>	PNTLUCJSQZGZBN-UHFFFAOYSA-N
<b>Formula:</b>	C8H23O3PSi2
<b>SMILES:</b>	CCP(=O)(O[Si](C)(C)C)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	254.41
<b>CAS:</b>	1641-57-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.28		Crippen Method
logp	3.902		Crippen Method

## 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=C1641572&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1641572&amp;Units=SI</a>

## Legend

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

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