

Phosphonic acid, ethyl-, bis(trimethylsilyl) ester

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

Physical Properties

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

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1641572&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/53-381-0/Phosphonic-acid-ethyl-bis-trimethylsilyl-ester.pdf>

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