

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

Other names:	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
Inchi:	InChI=1S/C6H17O3PSi/c1-6-8-10(2,7)9-11(3,4)5/h6H2,1-5H3
InchiKey:	BHDYDJPYRDYAA-UHFFFAOYSA-N
Formula:	C6H17O3PSi
SMILES:	CCOP(C)(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	196.26
CAS:	57451-30-6

Physical Properties

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

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C57451306&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/77-763-0/O-Ethyl-O-trimethyl-silyl-methylphosphonate.pdf>

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