

Methylphosphonic acid, O-isopropyl-, O-trimethylsilyl-

Other names:	Methylphosphonic acid, mono-isopropyl ester, TMS Isopropyl trimethylsilyl methylphosphonate IMPA-TBDMS Methylphosphonic acid, isopropyl trimethylsilyl ester
Inchi:	InChI=1S/C7H19O3PSi/c1-7(2)9-11(3,8)10-12(4,5)6/h7H,1-6H3
InchiKey:	SVOLQKHGSREJLY-UHFFFAOYSA-N
Formula:	C7H19O3PSi
SMILES:	CC(C)OP(C)(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	210.28
CAS:	199116-08-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.36		Crippen Method
logp	3.086		Crippen Method
rinpol	1116.00		NIST Webbook
rinpol	1110.00		NIST Webbook
rinpol	1110.00		NIST Webbook
rinpol	1116.00		NIST Webbook
rinpol	1110.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C199116080&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

rinpol: Non-polar retention indices

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