

Phosphonic acid, methyl-, monoethyl ester

Other names:	Phosphonic acid, methyl-, ethyl ester Ethyl hydrogen methylphosphonate Ethyl methylphosphonate Monoethyl methylphosphonate Methyl-phosphonic acid monoethyl ester Methyl phosphonic acid, o-ethyl ester
Inchi:	InChI=1S/C3H9O3P/c1-3-6-7(2,4)5/h3H2,1-2H3,(H,4,5)
InchiKey:	UFZOPKFMKMAWLU-UHFFFAOYSA-N
Formula:	C3H9O3P
SMILES:	CCOP(C)(=O)O
Mol. weight [g/mol]:	124.08
CAS:	1832-53-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.70		Crippen Method
logp	0.838		Crippen Method
mcvol	91.200	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1832537&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
mcvol:	McGowan's characteristic volume

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