

N,n-dimethyl-p-methyl phosphonamidic acid, ethyl ester

Inchi:	InChI=1S/C5H14NO2P/c1-5-8-9(4,7)6(2)3/h5H2,1-4H3
InchiKey:	IKQUXHUAENZFDEY-UHFFFAOYSA-N
Formula:	C5H14NO2P
SMILES:	CCOP(C)(=O)N(C)C
Mol. weight [g/mol]:	151.14
CAS:	2404-80-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.85		Crippen Method
logp	1.407		Crippen Method
mcvol	123.490	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2404800&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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