

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

Inchi:	InChI=1S/C7H18NO2P/c1-5-6-7-10-11(4,9)8(2)3/h5-7H2,1-4H3
InchiKey:	LIXPLIBAUCAFPO-UHFFFAOYSA-N
Formula:	C7H18NO2P
SMILES:	CCCCOP(C)(=O)N(C)C
Mol. weight [g/mol]:	179.20
CAS:	2511-08-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.68		Crippen Method
logp	2.188		Crippen Method
mcvol	151.670	ml/mol	McGowan Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2511082&Units=SI

Legend

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

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