N,N-Dimethyl O,O'-diethyl phosphoramidate

Other names:	Diethyl dimethylphosphoramidate
	Diethyl N,N-dimethylphosphoramidate
Inchi:	InChI=1S/C6H16NO3P/c1-5-9-11(8,7(3)4)10-6-2/h5-6H2,1-4H3
InchiKey:	MSDFSXFZUKFPKX-UHFFFAOYSA-N
Formula:	C6H16NO3P
SMILES:	CCOP(=O)(OCC)N(C)C
Mol. weight [g/mol]:	181.17
CAS:	2404-03-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.34		Crippen Method
logp	1.729		Crippen Method
mcvol	143.450	ml/mol	McGowan Method
rinpol	1097.00		NIST Webbook
rinpol	1145.20		NIST Webbook
rinpol	1096.60		NIST Webbook
rinpol	1145.20		NIST Webbook
rinpol	1134.00		NIST Webbook
rinpol	1134.00		NIST Webbook
rinpol	1134.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C2404037&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices