

Phosphoramidous acid, methyl, p-tolyl-, diethyl ester

Inchi:	InChI=1S/C12H20NO2P/c1-5-14-16(15-6-2)13(4)12-9-7-11(3)8-10-12/h7-10H,5-6H2,1-4
InchiKey:	DWKAXTCMLYTUBP-UHFFFAOYSA-N
Formula:	C12H20NO2P
SMILES:	CCOP(OCC)N(C)c1ccc(C)cc1
Mol. weight [g/mol]:	241.27
CAS:	116434-73-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.11		Crippen Method
logp	3.731		Crippen Method
mcvol	198.360	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=C116434732&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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