

Phosphoramidic acid, diphenyl ester

Other names:	Diphenyl amidophosphate Diphenyl phosphoramidate
Inchi:	InChI=1S/C12H12NO3P/c13-17(14,15-11-7-3-1-4-8-11)16-12-9-5-2-6-10-12/h1-10H,(H2)
InchiKey:	QWMUDOFWQWBHFI-UHFFFAOYSA-N
Formula:	C12H12NO3P
SMILES:	NP(=O)(Oc1ccccc1)Oc1ccccc1
Mol. weight [g/mol]:	249.20
CAS:	2015-56-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.22		Crippen Method
logp	3.211		Crippen Method
mvol	180.470	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2015567&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

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

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