

# Phosphorodiamidic acid, n,n'-diphenyl-, ethyl ester

Inchi:	InChI=1S/C14H17N2O2P/c1-2-18-19(17,15-13-9-5-3-6-10-13)16-14-11-7-4-8-12-14/h3-1
InchiKey:	QXSRXSXOXYIHBY-UHFFFAOYSA-N
Formula:	C14H17N2O2P
SMILES:	CCOP(=O)(Nc1ccccc1)Nc1ccccc1
Mol. weight [g/mol]:	276.27
CAS:	5586-09-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.49		Crippen Method
logp	4.355		Crippen Method
mcvol	212.760	ml/mol	McGowan Method

## Sources

Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5586094&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5586094&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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