

Phosphoro diamidic acid, n,n'-bis (2,4-dimethyl phenyl), ethyl ester

Inchi:	InChI=1S/C18H25N2O2P/c1-6-22-23(21,19-17-9-7-13(2)11-15(17)4)20-18-10-8-14(3)12
InchiKey:	MXPYFDYSXONIRX-UHFFFAOYSA-N
Formula:	C18H25N2O2P
SMILES:	CCOP(=O)(Nc1ccc(C)cc1C)Nc1ccc(C)cc1C
Mol. weight [g/mol]:	332.38
CAS:	116401-84-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.39		Crippen Method
logp	5.589		Crippen Method
mcvol	269.120	ml/mol	McGowan Method

Sources

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=C116401844&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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