

# Phosphoric acid, 2-(diethylamino)-6-methyl-4-pyrimidinyl diethyl ester

Other names: 2-(Diethylamino)-6-methyl-4-pyrimidinyl diethyl phosphate  
Pirimifos ethyl oxon

Pirimiphos-ethyl O-analog

(2-Diethylamino-6-methylpyrimidin-4-yl) diethyl phosphate

**Inchi:** InChI=1S/C13H24N3O4P/c1-6-16(7-2)13-14-11(5)10-12(15-13)20-21(17,18-8-3)19-9-4/h

**InchiKey:** WSPIMFPJZBRGMD-UHFFFAOYSA-N

**Formula:** C13H24N3O4P

**SMILES:** CCOP(=O)(OCC)Oc1cc(C)nc(N(CC)CC)n1

**Mol. weight [g/mol]:** 317.32

**CAS:** 36378-61-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.04		Crippen Method
logp	3.191		Crippen Method
mcvol	244.150	ml/mol	McGowan Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=C36378617&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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