

# Diethyl 4-methylphenyl phosphate

**Inchi:** InChI=1S/C11H17O4P/c1-4-13-16(12,14-5-2)15-11-8-6-10(3)7-9-11/h6-9H,4-5H2,1-3H3  
**InchiKey:** UBSNERLLCAIDQQ-UHFFFAOYSA-N  
**Formula:** C11H17O4P  
**SMILES:** CCOP(=O)(OCC)Oc1ccc(C)cc1  
**Mol. weight [g/mol]:** 244.22  
**CAS:** 4877-08-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.76		Crippen Method
logp	3.555		Crippen Method
mcvol	186.030	ml/mol	McGowan Method
rinpol	1617.00		NIST Webbook
rinpol	1617.00		NIST Webbook
ripol	2310.00		NIST Webbook
ripol	2310.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=C4877081&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices  
**ripol:** Polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/88-165-2/Diethyl-4-methylphenyl-phosphate.pdf>

Generated by Cheméo on 2024-04-23 16:43:55.859762433 +0000 UTC m=+16179884.780339754.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.