

# Diethyl 2,4-dichlorophenyl phosphate

**Inchi:** InChI=1S/C10H13Cl2O4P/c1-3-14-17(13,15-4-2)16-10-6-5-8(11)7-9(10)12/h5-7H,3-4H2,  
**InchiKey:** TVZVEGZSJDAAKQ-UHFFFAOYSA-N  
**Formula:** C10H13Cl2O4P  
**SMILES:** CCOP(=O)(OCC)Oc1ccc(Cl)cc1Cl  
**Mol. weight [g/mol]:** 299.09  
**CAS:** 3279-62-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.66		Crippen Method
logp	4.553		Crippen Method
mcvol	196.420	ml/mol	McGowan Method
rinpol	1837.00		NIST Webbook
rinpol	1837.00		NIST Webbook
ripol	2490.00		NIST Webbook
ripol	2490.00		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=C3279627&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

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