

# Fenthoate oxon

**Inchi:** InChI=1S/C12H17O5PS/c1-4-17-12(13)11(10-8-6-5-7-9-10)19-18(14,15-2)16-3/h5-9,11H  
**InchiKey:** BPHVILLCQZUQEX-UHFFFAOYSA-N  
**Formula:** C12H17O5PS  
**SMILES:** CCOC(=O)C(SP(=O)(OC)OC)c1ccccc1  
**Mol. weight [g/mol]:** 304.30

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.59		Crippen Method
logp	3.425		Crippen Method
mcvol	218.040	ml/mol	McGowan Method
rinpole	1925.00		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=R543127&Units=SI>

## Legend

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

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