

# Fensulfothion oxon

**Inchi:** InChI=1S/C11H17O5PS/c1-4-14-17(12,15-5-2)16-10-6-8-11(9-7-10)18(3)13/h6-9H,4-5H2  
**InchiKey:** GNTVZNNILZKEIB-UHFFFAOYSA-N  
**Formula:** C11H17O5PS  
**SMILES:** CCOP(=O)(OCC)Oc1ccc(S(C)=O)cc1  
**Mol. weight [g/mol]:** 292.29

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -3.78   |        | Crippen Method |
| logp          | 2.984   |        | Crippen Method |
| mcvol         | 208.250 | ml/mol | McGowan Method |

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U290099&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

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

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