

# Ethion oxon

**Inchi:** InChI=1S/C9H22O6P2S2/c1-5-12-16(10,13-6-2)18-9-19-17(11,14-7-3)15-8-4/h5-9H2,1-4  
**InchiKey:** SSEJHKWNPGJOSI-UHFFFAOYSA-N  
**Formula:** C9H22O6P2S2  
**SMILES:** CCOP(=O)(OCC)SCSP(=O)(OCC)OCC  
**Mol. weight [g/mol]:** 352.35

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.73		Crippen Method
logp	4.772		Crippen Method
mcvol	246.510	ml/mol	McGowan Method
rinpole	2149.00		NIST Webbook
rinpole	2149.00		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=R25138&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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