

# Quizalofop-methyl ester

**Inchi:** InChI=1S/C18H15ClN2O4/c1-11(18(22)23-2)24-13-4-6-14(7-5-13)25-17-10-20-16-9-12(19-21)2  
**InchiKey:** YGHJGQYNECSZDY-UHFFFAOYSA-N  
**Formula:** C18H15ClN2O4  
**SMILES:** COC(=O)C(C)Oc1ccc(Oc2cnc3cc(Cl)ccc3n2)cc1  
**Mol. weight [g/mol]:** 358.78

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.48		Crippen Method
logp	4.016		Crippen Method
mcvol	248.880	ml/mol	McGowan Method
rinpol	2713.00		NIST Webbook
rinpol	2713.00		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=R72365&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

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