Quizalofop--p-ethyl

Other names:	Propanoic acid, 2-[4-[(6-chloro-2-quinoxalinyl)oxy]phenoxy]-, ethyl ester, (2R)- ethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate Quizalofop-p Quizalofop-p-ethyl Ethyl(R)-2-[4-(6-chloroquinoxalin-2-yloxy)]phenoxy]propionate
Inchi:	InChI=1S/C19H17ClN2O4/c1-3-24-19(23)12(2)25-14-5-7-15(8-6-14)26-18-11-21-17-10-1
InchiKey:	OSUHJPCHFDQAIT-UHFFFAOYSA-N
Formula:	C19H17ClN2O4
SMILES:	CCOC(=O)C(C)Oc1ccc(Oc2cnc3cc(Cl)ccc3n2)cc1
Mol. weight [g/mol]:	372.80
CAS:	100646-51-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.90		Crippen Method
logp	4.406		Crippen Method
mcvol	262.970	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C100646513&Units=SI&Mask=3FFF
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

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

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