

Haloxyfop-methyl

Other names:	Haloxyfop methyl ester
Inchi:	InChI=1S/C16H13ClF3NO4/c1-9(15(22)23-2)24-11-3-5-12(6-4-11)25-14-13(17)7-10(8-21)
InchiKey:	MFSWTRQUCLNFOM-UHFFFAOYSA-N
Formula:	C16H13ClF3NO4
SMILES:	<chem>COC(=O)C(C)Oc1ccc(Oc2ncc(C(F)(F)F)cc2Cl)cc1</chem>
Mol. weight [g/mol]:	375.73
CAS:	69806-40-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.01		Crippen Method
logp	4.486		Crippen Method
mcvol	235.490	ml/mol	McGowan Method
rinpol	2112.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C69806402&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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
rinpol:	Non-polar retention indices

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