

Fluazifop-butyl

Other names:	Propanoic acid, 2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]-, butyl ester Butyl 2-(4-(5-trifluoromethyl-2-pyridinyloxy)phenoxy)propanoate Fusilade IH 773B PP 009 Propionic acid, 2-(p-((5-(trifluoromethyl)-2-pyridyl)oxy)phenoxy)-, butyl ester TF 1169 2-[4-[[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid butyl ester Butyl 2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate Fusilade W Halokon Onecide Fluazifop, butyl ester Fluazifop-P-butyl
Inchi:	InChI=1S/C19H20F3NO4/c1-3-4-11-25-18(24)13(2)26-15-6-8-16(9-7-15)27-17-10-5-14(1)
InchiKey:	VAIZTNZGPYBOGF-UHFFFAOYSA-N
Formula:	C19H20F3NO4
SMILES:	CCCCOC(=O)C(C)Oc1ccc(Oc2ccc(C(F)(F)F)cn2)cc1
Mol. weight [g/mol]:	383.36
CAS:	69806-50-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.58		Crippen Method
logp	5.003		Crippen Method
mcvol	265.520	ml/mol	McGowan Method
rinsol	2190.00		NIST Webbook
rinsol	2203.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C69806504&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	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
rlnpol:	Non-polar retention indices

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