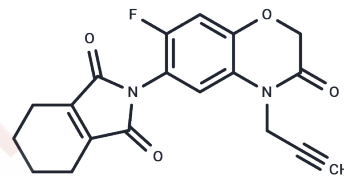


Flumioxazin

Chemical Properties

CAS No. :	103361-09-7
Formula:	C ₁₉ H ₁₅ FN ₂ O ₄
Molecular Weight:	354.33
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Flumioxazin is a herbicide for peanut and soybean.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8222 mL	14.1111 mL	28.2223 mL
5 mM	0.5644 mL	2.8222 mL	5.6445 mL
10 mM	0.2822 mL	1.4111 mL	2.8222 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Takaku T, Nagahori H, Sogame Y. Metabolism and physiologically based pharmacokinetic modeling of flumioxazin in pregnant animals. *Toxicol Appl Pharmacol*. 2014 Jun 15;277(3):242-9. doi: 10.1016/j.taap.2014.03.022. Epub 2014 Apr 6. PubMed PMID: 24717917.

Lu L, Yang L, Cai H, Zhang L, Lin Z, Guo L, Qiu B, Chen G. Determination of flumioxazin residue in food samples through a sensitive fluorescent sensor based on click chemistry. *Food Chem*. 2014 Nov 1;162:242-6. doi: 10.1016/j.foodchem.2014.04.061. Epub 2014 Apr 24. PubMed PMID: 24874382.

Park H, Kim J, Kwon E, Kim TH. Crystal structure of flumioxazin. *Acta Crystallogr E Crystallogr Commun*. 2015 Sep 17;71(Pt 10):o768. doi: 10.1107/S2056989015017223. eCollection 2015 Oct 1. PubMed PMID: 26594468; PubMed Central PMCID: PMC4647385.

Shibata A, Kodaka R, Fujisawa T, Katagi T. Degradation of flumioxazin in illuminated water-sediment systems. *J Agric Food Chem*. 2011 Oct 26;59(20):11186-95. doi: 10.1021/jf202542v. Epub 2011 Sep 29. PubMed PMID: 21919467.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481