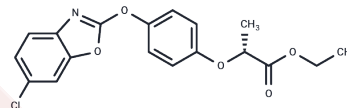


Fenoxaprop-P-ethyl

Chemical Properties

CAS No. :	71283-80-2
Formula:	C ₁₈ H ₁₆ ClNO ₅
Molecular Weight:	361.78
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	Fenoxaprop-P-ethyl is a post-emergent phenoxy herbicide utilized in the cultivation of specific cereal crops including wheat, durum wheat, rye, triticale, and barley for the targeted control of annual monocotyledonous weed species.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (221.13 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (9.12 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7641 mL	13.8206 mL	27.6411 mL
5 mM	0.5528 mL	2.7641 mL	5.5282 mL
10 mM	0.2764 mL	1.3821 mL	2.7641 mL
50 mM	0.0553 mL	0.2764 mL	0.5528 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

Zawahir S, et al. Acute intentional self-poisoning with a herbicide product containing fenoxaprop-P-ethyl, ethoxysulfuron, and isoxadifen ethyl: a prospective observational study. Clin Toxicol (Phila). 2009 Sep;47(8):792-797.

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