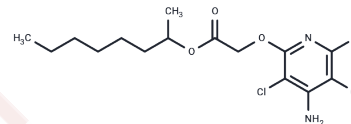


Fluroxypyr-meptyl

Chemical Properties

CAS No. :	81406-37-3
Formula:	C ₁₅ H ₂₁ Cl ₂ FN ₂ O ₃
Molecular Weight:	367.24
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	Fluroxypyr-meptyl (Fluroxypyr-1-methylheptyl ester) is a herbicide used in wheat fields.
Targets(IC50)	Others,GST

Solubility Information

Solubility	DMSO: 95 mg/mL (258.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (8.99 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	2.723 mL	13.6151 mL	27.2301 mL
5 mM	0.5446 mL	2.723 mL	5.446 mL
10 mM	0.2723 mL	1.3615 mL	2.723 mL
50 mM	0.0545 mL	0.2723 mL	0.5446 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

Pang N, Cui Y, Hu J. Weather dependent dynamics of the herbicides florasulam, carfentrazone-ethyl, fluroxypyr-meptyl and fluroxypyr in wheat fields through field studies and computational simulation. Chemosphere. 2016 Dec;165:320-328.

Wang L, et, al. Dissipation and residues of fluroxypyr-meptyl in rice and environment. Bull Environ Contam Toxicol. 2011 Apr;86(4):449-53.

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