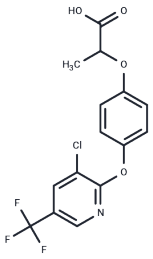
Data Sheet (Cat.No.T5046)

TargetMol

Haloxyfop

Chemical Properties



CAS No. : 69806-34-4

Formula: C15H11ClF3NO4

Molecular Weight: 361.7

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	(±)-Haloxyfop (Haloxyfop Acid) is a herbicide.
Targets(IC50)	Acetyl-CoA Carboxylase

Solubility Information

Solubility	DMSO: 10 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: 2 mg/mL (5.53 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7647 mL	13.8236 mL	27.6472 mL
5 mM	0.5529 mL	2.7647 mL	5.5294 mL
10 mM	0.2765 mL	1.3824 mL	2.7647 mL
50 mM	0.0553 mL	0.2765 mL	0.5529 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

Jafari, M., Saraji, M., & Yousefi, S. (2012). Negative electrospray ionization ion mobility spectrometry combined with microextraction in packed syringe for direct analysis of phenoxyacid herbicides in environmental waters. Journal Of Chromatography A, 1249, 41-47. doi: 10.1016/j.chroma.2012.06.024

Tang, H., Li, J., Dong, L., Dong, A., Lü, B., & Zhu, X. (2012). Molecular bases for resistance to acetyl-coenzyme A carboxylase inhibitor in Japanese foxtail (Alopecurus japonicus). Pest Management Science, 68(9), 1241-1247. doi: 10.12002/ps.3285

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