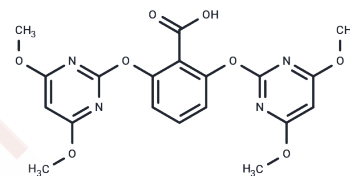


Bispyribac

Chemical Properties

CAS No. :	125401-75-4
Formula:	C ₁₉ H ₁₈ N ₄ O ₈
Molecular Weight:	430.37
Appearance:	Solid
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Bispyribac is a systemic herbicide targeting Hydrilla that removes weeds by inhibiting ALS (acetolactate synthase) and blocking branched-chain amino acid synthesis, while altering soil microbial populations, enzyme activity, and functional microbial diversity in rice soils.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3236 mL	11.6179 mL	23.2358 mL
5 mM	0.4647 mL	2.3236 mL	4.6472 mL
10 mM	0.2324 mL	1.1618 mL	2.3236 mL
50 mM	0.0465 mL	0.2324 mL	0.4647 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.

Reference

Iwakami S, et al. Cytochrome P450 genes induced by bispyribac-sodium treatment in a multiple-herbicide-resistant biotype of Echinochloa phyllopogon. Pest Manag Sci. 2014 Apr;70(4):549-58.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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