

HPPD-IN-6

Chemical Properties

CAS No. : 3050609-32-7
Formula: C₂₅H₂₂ClF₃N₂O₆S₂
Molecular Weight: 603.02
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	HPPD-IN-6 (Compound Ily) is a highly selective HPPD inhibitor for rice crops. It exhibits potent herbicidal activity against <i>Echinochloa crus-galli</i> and <i>Leymus chinensis</i> (including herbicide-resistant biotypes), with an EC ₅₀ range of 19.62-33.26 g of ai/ha. Effective at application rates of 90-150 g of ai/ha, HPPD-IN-6 is suitable for developing herbicides.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6583 mL	8.2916 mL	16.5832 mL
5 mM	0.3317 mL	1.6583 mL	3.3166 mL
10 mM	0.1658 mL	0.8292 mL	1.6583 mL
50 mM	0.0332 mL	0.1658 mL	0.3317 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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