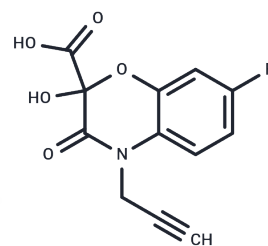


DHAD-IN-1

Chemical Properties

CAS No. :	2803311-65-9
Formula:	C ₁₂ H ₈ FNO ₅
Molecular Weight:	265.19
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	DHAD-IN-1 (Compound I-6e) is a potent inhibitor of dihydroxy acid dehydratase (DHAD), exhibiting a K_i value of 1 μ M against <i>Arabidopsis thaliana</i> DHAD. It demonstrates 100% efficacy in controlling weeds such as oats and foxtail. DHAD-IN-1 is a promising candidate for herbicide research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7709 mL	18.8544 mL	37.7088 mL
5 mM	0.7542 mL	3.7709 mL	7.5418 mL
10 mM	0.3771 mL	1.8854 mL	3.7709 mL
50 mM	0.0754 mL	0.3771 mL	0.7542 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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