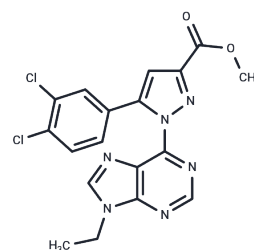


Herbicide safener-4

Chemical Properties

CAS No. :	3056059-99-2
Formula:	C18H14Cl2N6O2
Molecular Weight:	417.249
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	Herbicide safener-4 (Compound I-15) is a herbicide safener designed to enhance crop resistance to herbicides without diminishing the herbicidal effects on target weeds. It competitively binds to the ALS active site alongside Mesosulfuron-methyl. In addition, Herbicide safener-4 boosts the activities of glutathione GSH, glutathione-S-transferase GST, cytochrome P450 CYP450, peroxidase (POD), superoxide dismutase (SOD), and acetolactate synthase (ALS) within plants.
Targets(IC50)	Cytochromes P450,GST

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3966 mL	11.9832 mL	23.9664 mL
5 mM	0.4793 mL	2.3966 mL	4.7933 mL
10 mM	0.2397 mL	1.1983 mL	2.3966 mL
50 mM	0.0479 mL	0.2397 mL	0.4793 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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