

QPP-I-6

## Chemical Properties

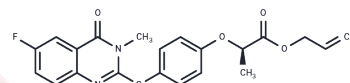
CAS No. : 2864442-05-5

Formula: C<sub>21</sub>H<sub>19</sub>FN<sub>2</sub>O<sub>5</sub>

Molecular Weight: 398.38

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	QPP-I-6, an inhibitor of acetyl-coenzyme A carboxylase (ACCase), exhibits herbicidal activity by inducing cell membrane permeability [1].
Targets(IC50)	Acetyl-CoA Carboxylase
In vitro	QPP-I-6 shows inhibitory activity against Echinochloa crusgalli, Digitaria sanguinalis, Spartina alterniflora, Eleusine indica, and Pennisetum alopecuroides, with inhibition rates exceeding 90% [1]. At a concentration of 187.5 g/ha for 24 hours, QPP-I-6 enhances ATP production, fatty acid metabolism, and protein acetylation in P. miliaceum leaf cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5102 mL	12.5508 mL	25.1017 mL
5 mM	0.502 mL	2.5102 mL	5.0203 mL
10 mM	0.251 mL	1.2551 mL	2.5102 mL
50 mM	0.0502 mL	0.251 mL	0.502 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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