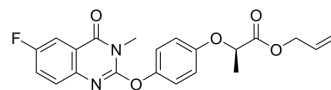


QPP-I-6

Cat. No.:	HY-158246
CAS No.:	2864442-05-5
Molecular Formula:	C ₂₁ H ₁₉ FN ₂ O ₅
Molecular Weight:	398.38
Target:	Acetyl-CoA Carboxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	QPP-I-6 is an inhibitor for acetyl-coenzyme A carboxylase (ACCase). QPP-I-6 exhibits herbicidal activity through induction of cell membrane permeability ^[1] .
In Vitro	QPP-I-6 exhibits herbicidal activity against <i>Echinochloa crusgalli</i> , <i>Digitaria sanguinalis</i> , <i>Spartina alterniflora</i> , <i>Eleusine indica</i> and <i>Pennisetum alopecuroides</i> , with inhibition rate >90% ^[1] . QPP-I-6 (187.5 g/ha, 24 h) promotes production of ATP, fatty acid metabolism, and protein acetylation of <i>P. miliaceum</i> leaves cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li N, et al., Synthesis, Herbicidal Activity, and Molecular Mode of Action Evaluation of Novel Aryloxyphenoxypropionate/Amide Derivatives Containing a Quinazolinone Moiety. *J Agric Food Chem.* 2024 Apr 10.

Caution: Product has not been fully validated for medical applications. For research use only.

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