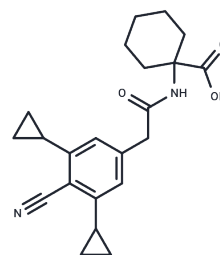


Opabactin

Chemical Properties

CAS No. :	2407423-32-7
Formula:	C ₂₂ H ₂₆ N ₂ O ₃
Molecular Weight:	366.45
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	Opabactin is an agonist of abscisic acid (ABA) receptors, modulating plant water use by mimicking the effects of ABA with an IC ₅₀ of 7 nM. It inhibits Arabidopsis seed germination with an IC ₅₀ of 62 nM. Opabactin also induces antitranspirant responses in plant tissues, enhancing drought resistance in crops.
Targets(IC ₅₀)	Others,Proton pump

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7289 mL	13.6444 mL	27.2889 mL
5 mM	0.5458 mL	2.7289 mL	5.4578 mL
10 mM	0.2729 mL	1.3644 mL	2.7289 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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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