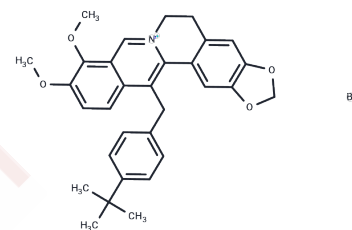


HWY-289

Chemical Properties

CAS No. : 908001-51-4
 Formula: C₃₁H₃₂BrNO₄
 Molecular Weight: 562.49
 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	HWY-289, a semisynthetic protoberberine derivative, exhibits broad-spectrum and potent activities against phytopathogenic fungi, especially <i>Botrytis cinerea</i> (EC 50 = 1.34 µg/mL). It alters the morphology of the mycelium and the internal structure of cells while decreasing ATP content, ATPase activities, and key enzyme activities in the TCA cycle [1].
Targets(IC50)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7778 mL	8.889 mL	17.7781 mL
5 mM	0.3556 mL	1.7778 mL	3.5556 mL
10 mM	0.1778 mL	0.8889 mL	1.7778 mL
50 mM	0.0356 mL	0.1778 mL	0.3556 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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