

Laccase-IN-1

Chemical Properties

CAS No. :	2991094-41-6
Formula:	C16H19FN2O3
Molecular Weight:	306.33
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	Laccase-IN-1 (compound 4b) is an orally active laccase inhibitor with an IC ₅₀ of 11.3 μM, exhibiting protective and curative effects against B. dothidea infections in apple fruits. The compound increases cell membrane permeability, disrupts mycelial surface morphology, alters cell ultrastructure, and decreases ergosterol and exopolysaccharide levels in B. dothidea [1].
Targets(IC50)	Others,Endogenous Metabolite,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2645 mL	16.3223 mL	32.6445 mL
5 mM	0.6529 mL	3.2645 mL	6.5289 mL
10 mM	0.3264 mL	1.6322 mL	3.2645 mL
50 mM	0.0653 mL	0.3264 mL	0.6529 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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