

Laccase-IN-5

Chemical Properties

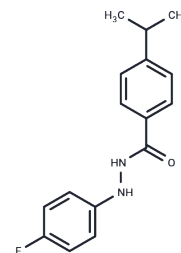
CAS No. :

Formula: C₁₆H₁₇FN₂O

Molecular Weight: 272.317

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-5 (Compound 2b) is an inhibitor of laccase with an IC ₅₀ of 0.82 μM. It enhances cell membrane permeability, restricts mycelial growth, disrupts cell walls, and induces oxidative stress responses. Laccase-IN-5 exhibits antifungal activity against various plant pathogenic fungi and oomycetes, effectively inhibiting <i>B. dothidea</i> with an EC ₅₀ of 0.96 mg/L.
Targets(IC ₅₀)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6722 mL	18.3608 mL	36.7215 mL
5 mM	0.7344 mL	3.6722 mL	7.3443 mL
10 mM	0.3672 mL	1.8361 mL	3.6722 mL
50 mM	0.0734 mL	0.3672 mL	0.7344 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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