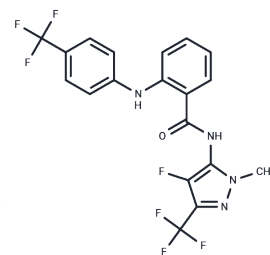


SDH-IN-13

Chemical Properties

CAS No. :	2975187-87-0
Formula:	C ₁₉ H ₁₃ F ₇ N ₄ O
Molecular Weight:	446.32
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	SDH-IN-13 (Compound 5IIIh), with an IC ₅₀ of 13.7 µg/mL, functions as an SDH inhibitor and exhibits antifungal properties [1].
Targets(IC ₅₀)	Antifungal
In vitro	SDH-IN-13 demonstrates antifungal activity against <i>S. sclerotiorum</i> and <i>V. mali</i> , with EC ₅₀ values of 0.37 and 1.81 µg/mL, respectively [1].
In vivo	SDH-IN-13 (100 µg/mL) exhibits antifungal activity against infections by <i>S. sclerotiorum</i> and <i>V. mali</i> on detached healthy apple branches [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2405 mL	11.2027 mL	22.4054 mL
5 mM	0.4481 mL	2.2405 mL	4.4811 mL
10 mM	0.2241 mL	1.1203 mL	2.2405 mL
50 mM	0.0448 mL	0.2241 mL	0.4481 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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