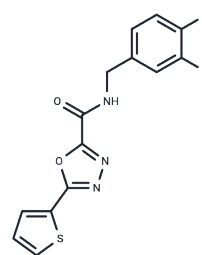


SDH-IN-1

Chemical Properties

CAS No. :	2685795-52-0
Formula:	C ₁₄ H ₉ Cl ₂ N ₃ O ₂ S
Molecular Weight:	354.21
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	SDH-IN-1 (compound 4i) is an SDH (succinate dehydrogenase) inhibitor (IC ₅₀ = 4.53 μM) with antifungal activity against <i>S. sclerotiorum</i> (EC ₅₀ = 0.14 mg/L) and can be used for fungicidal purposes.
Targets(IC ₅₀)	Antifungal, Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8232 mL	14.1159 mL	28.2318 mL
5 mM	0.5646 mL	2.8232 mL	5.6464 mL
10 mM	0.2823 mL	1.4116 mL	2.8232 mL
50 mM	0.0565 mL	0.2823 mL	0.5646 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.

Reference

Zihui Yang, et al. Design, Synthesis, and Antifungal Activity of Novel Thiophene/Furan-1,3,4-Oxadiazole Carboxamides as Potent Succinate Dehydrogenase Inhibitors. *J Agric Food Chem.* 2021 Nov 17;69(45):13373-13385.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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