

Antifungal agent 20

Chemical Properties

CAS No. :	2460281-94-9
Formula:	C ₁₁ H ₁₉ N ₃ S
Molecular Weight:	225.35
Storage:	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	Antifungal agent 20 demonstrates significant antifungal efficacy against a range of fungal pathogens including <i>Colletotrichum gloeosporioides</i> , <i>Rhizoctonia solani</i> , <i>Phytophthora nicotianae</i> var. <i>nicotianae</i> , <i>Diplodia pinea</i> , <i>Colletotrichum acutatum</i> , and <i>Fusarium oxysporum</i> f. sp. <i>niveum</i> .
Targets(IC50)	Others,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4375 mL	22.1877 mL	44.3754 mL
5 mM	0.8875 mL	4.4375 mL	8.8751 mL
10 mM	0.4438 mL	2.2188 mL	4.4375 mL
50 mM	0.0888 mL	0.4438 mL	0.8875 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

Zhang L, et al. Novel Citral-thiazolyl Hydrazine Derivatives as Promising Antifungal Agents against Phytopathogenic Fungi. *J Agric Food Chem.* 2021 Nov 22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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