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Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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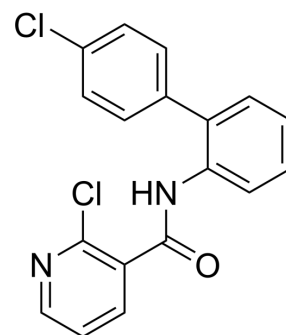
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Boscalid

Cat. No.:	HY-119976		
CAS No.:	188425-85-6		
Molecular Formula:	C ₁₈ H ₁₂ Cl ₂ N ₂ O		
Molecular Weight:	343.21		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (291.37 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9137 mL	14.5683 mL	29.1367 mL
		5 mM	0.5827 mL	2.9137 mL	5.8273 mL
10 mM		0.2914 mL	1.4568 mL	2.9137 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.28 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Boscalid is an anti-fungal agent. Boscalid is a succinate dehydrogenase (SDH) inhibitor ^[1] .
IC ₅₀ & Target	succinate dehydrogenase (SDH) ^[1]

REFERENCES

[1]. Aminul Islam, et al. Fungicide composition comprising pyridine carboxamide, strobilurin and dithiocarbamate. Patent. WO2023042225 A1. 2023-03-23.

Caution: Product has not been fully validated for medical applications. For research use only.

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