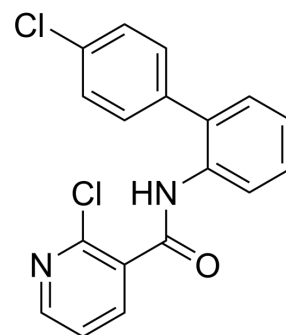


Boscalid

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
	5 mM	0.5827 mL	2.9137 mL	
	10 mM	0.2914 mL	1.4568 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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