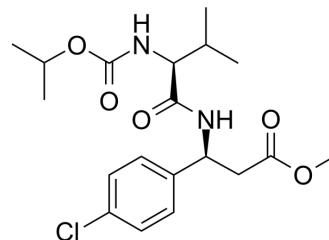


(S,S)-Valifenalate

Cat. No.:	HY-17518A		
CAS No.:	283159-94-4		
Molecular Formula:	C ₁₉ H ₂₇ ClN ₂ O ₅		
Molecular Weight:	398.88		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (250.70 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	2.5070 mL	12.5351 mL	25.0702 mL
	5 mM	0.5014 mL	2.5070 mL	5.0140 mL
	10 mM	0.2507 mL	1.2535 mL	2.5070 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 (6.27 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.27 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	(S,S)-Valifenalate ((S,S)-IR5885) is an acylamino acid fungicide and is used to control a wide range of fungi belonging to the class of Oomycetes. (S,S)-Valifenalate ((S,S)-IR5885) interferes with the cell-wall synthesis thus affecting the growth stages of the pathogens controlled, both outside (on the spores) or inside the plant (on the mycelium) ^[1] .
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REFERENCES

[1]. European Food Safety Authority; Modification of existing MRLs for valifenalate (valiphenal) in tomatoes and aubergines on request. EFSA Journal 2009; 7(11):1388.

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

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