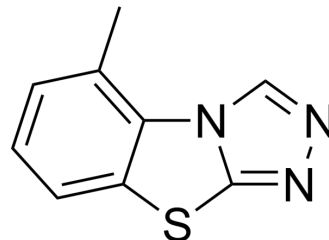


Tricyclazole

Cat. No.:	HY-B0848		
CAS No.:	41814-78-2		
Molecular Formula:	C ₉ H ₇ N ₃ S		
Molecular Weight:	189.24		
Target:	Bacterial		
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 : 125 mg/mL (660.54 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.2843 mL	26.4215 mL	52.8429 mL
		5 mM	1.0569 mL	5.2843 mL	10.5686 mL
10 mM		0.5284 mL	2.6421 mL	5.2843 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (10.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (10.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (10.99 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Tricyclazole is a pentaketide-derived melanin biosynthesis inhibitor and a unique fungicide for control of <i>Pyricularia oryzae</i> on rice ^{[1][2]} .
IC₅₀ & Target	Pentaketide-derived melanin biosynthesis ^[1]

REFERENCES

[1]. Peterson L.G. Tricyclazole for Control of Pyricularia Oryzae on Rice: the Relationship of the Mode of Action and Disease Occurrence and Development. Pest Management in Rice. Springer, Dordrecht.

[2]. G.Lazarovits, et al. Tricyclazole induces melanin shunt products and inhibits altersolanol a accumulation by Alternaria solani. Pesticide Biochemistry and Physiology

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

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