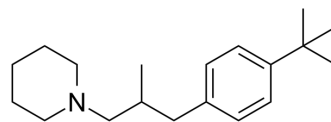


Fenpropidin

Cat. No.:	HY-126200
CAS No.:	67306-00-7
Molecular Formula:	C ₁₉ H ₃₁ N
Molecular Weight:	273.46
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (365.68 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.6568 mL	18.2842 mL	36.5684 mL
		5 mM	0.7314 mL	3.6568 mL	7.3137 mL
		10 mM	0.3657 mL	1.8284 mL	3.6568 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 (9.14 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.14 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.14 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fenpropidin is a sterol biosynthesis inhibitor fungicide ^[1] .
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REFERENCES

[1]. Ignaz J Buerge, et al. Stereoselective Metabolism of the Sterol Biosynthesis Inhibitor Fungicides Fenpropidin, Fenpropimorph, and Spiroxamine in Grapes, Sugar Beets, and Wheat. J Agric Food Chem. 2016 Jul 6;64(26):5301-9.

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

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