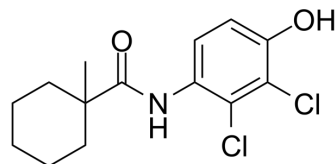


Fenhexamid

Cat. No.:	HY-118065
CAS No.:	126833-17-8
Molecular Formula:	C ₁₄ H ₁₇ Cl ₂ NO ₂
Molecular Weight:	302.2
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 (330.91 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.3091 mL	16.5453 mL	33.0907 mL
		5 mM	0.6618 mL	3.3091 mL	6.6181 mL
10 mM		0.3309 mL	1.6545 mL	3.3091 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: ≥ 2.5 mg/mL (8.27 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Fenhexamid, a botryticide, is a sterol biosynthesis inhibitor. Fenhexamid shows fungicide efficient against the plant pathogenic fungus <i>Botryotinia fuckeliana</i> (<i>Botrytis cinerea</i>) ^[1] .
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REFERENCES

[1]. Debieu D, et al. The hydroxylanilide fenhexamid, a new sterol biosynthesis inhibitor fungicide efficient against the plant pathogenic fungus *Botryotinia fuckeliana* (*Botrytis cinerea*). *Pest Manag Sci*. 2001 Nov;57(11):1060-7.

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

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