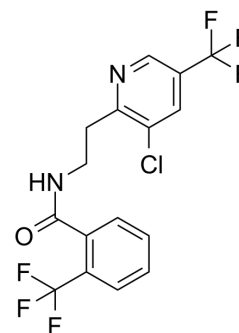


Fluopyram

Cat. No.:	HY-119459
CAS No.:	658066-35-4
Molecular Formula:	C ₁₆ H ₁₁ ClF ₆ N ₂ O
Molecular Weight:	396.71
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (315.09 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.5207 mL	12.6037 mL	25.2073 mL
		5 mM	0.5041 mL	2.5207 mL	5.0415 mL
	10 mM	0.2521 mL	1.2604 mL	2.5207 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: ≥ 2.08 mg/mL (5.24 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.24 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fluopyram is a succinate dehydrogenase inhibitor fungicide, inhibits the growth of <i>F. virguliforme</i> isolates with mean EC ₅₀ of 3.35 µg/mL ^[1] .
IC₅₀ & Target	Succinate dehydrogenase, Fungal ^[1]

REFERENCES

[1]. Wang J, et al. Baseline Sensitivity of *Fusarium virguliforme* to Fluopyram Fungicide. *Plant Dis.* 2017 Apr;101(4):576-582.

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

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