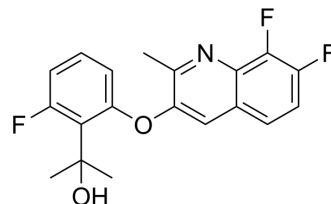


Ipflufenoquin

Cat. No.:	HY-134338		
CAS No.:	1314008-27-9		
Molecular Formula:	C ₁₉ H ₁₆ F ₃ NO ₂		
Molecular Weight:	347.33		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (287.91 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8791 mL	14.3955 mL	28.7911 mL
	5 mM	0.5758 mL	2.8791 mL	5.7582 mL
	10 mM	0.2879 mL	1.4396 mL	2.8791 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 5 mg/mL (14.40 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 5 mg/mL (14.40 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Ipflufenoquin is an insecticide with the potential to control primary infection with apple scab. Ipflufenoquin should be applied between half an inch of green and fruit set^[1].

REFERENCES

- [1]. Hirayama K. Curative effects of fungicides against *Venturia inaequalis* causing apple scab[J]. Journal of General Plant Pathology, 2022, 88(4): 264-269.

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

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