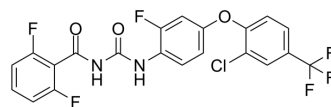


Flufenoxuron

Cat. No.:	HY-B2009
CAS No.:	101463-69-8
Molecular Formula:	C ₂₁ H ₁₁ ClF ₆ N ₂ O ₃
Molecular Weight:	488.77
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (511.49 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.0460 mL	10.2298 mL	20.4595 mL
				5 mM	0.4092 mL	2.0460 mL	4.0919 mL
				10 mM	0.2046 mL	1.0230 mL	2.0460 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 (4.26 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.26 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Flufenoxuron is a chitin synthesis inhibitor that is used as a benzoylurea insecticide. Flufenoxuron decreases chitin synthesis, molting, and egg hatching, preventing development in insects ^[1] .
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REFERENCES

[1]. Sunwoo Park, et al. Toxic Effects of Flufenoxuron on Development and Vascular Formation During Zebrafish Embryogenesis. Aquat Toxicol. 2019 Nov;216:105307.

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

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