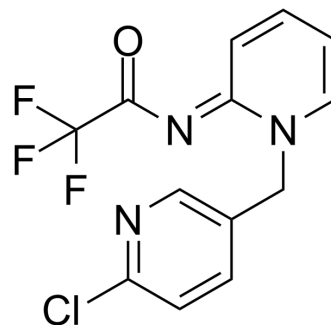


Flupyrimin

Cat. No.:	HY-145297		
CAS No.:	1689566-03-7		
Molecular Formula:	C ₁₃ H ₉ ClF ₃ N ₃ O		
Molecular Weight:	315.68		
Target:	nAChR		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
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 : 250 mg/mL (791.94 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1678 mL	15.8388 mL	31.6776 mL
	5 mM	0.6336 mL	3.1678 mL	6.3355 mL
	10 mM	0.3168 mL	1.5839 mL	3.1678 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: ≥ 2.08 mg/mL (6.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (6.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (6.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Flupyrimin acts as an antagonist at the insect nicotinic acetylcholine receptor (nAChR)^[1].

REFERENCES

[1]. Terajima T, et al. Deciphering the Flupyrimin Binding Surface on the Insect Nicotinic Acetylcholine Receptor. J Agric Food Chem. 2021;69(33):9551-9556.

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

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