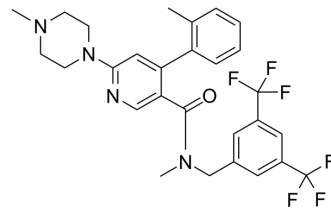


Imnopitant

Cat. No.:	HY-109147
CAS No.:	290297-57-3
Molecular Formula:	C ₂₈ H ₂₈ F ₆ N ₄ O
Molecular Weight:	550.54
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (454.10 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.8164 mL	9.0820 mL	18.1640 mL
		5 mM		0.3633 mL	1.8164 mL	3.6328 mL
		10 mM		0.1816 mL	0.9082 mL	1.8164 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 (3.78 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.78 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.78 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Imnopitant is a NK1 receptor antagonist (WO2020132716, compound 1) ^[1] .
IC ₅₀ & Target	NK1
In Vitro	Imnopitant is a NK1 receptor antagonist ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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