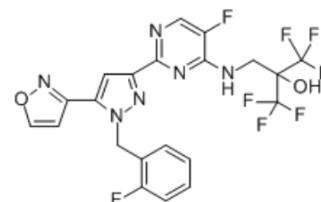


Praliguat

Cat. No.:	HY-109039
CAS No.:	1628730-49-3
Molecular Formula:	C ₂₁ H ₁₄ F ₈ N ₆ O ₂
Molecular Weight:	534.36
Target:	Guanylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the COA.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (467.85 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.8714 mL	9.3570 mL	18.7140 mL
			5 mM	0.3743 mL	1.8714 mL	3.7428 mL
10 mM	0.1871 mL	0.9357 mL	1.8714 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 (3.89 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.89 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Praliguat (IW-1973) is a potent and orally active soluble guanylate cyclase stimulator, enhances NO signaling, acts as a vasodilator. Praliguat (IW-1973) stimulates sGC in HEK-293 cells with an EC ₅₀ of 197 nM ^[1] .
IC ₅₀ & Target	EC ₅₀ : 197 nM (sGC) ^[1]

REFERENCES

[1]. Daniel P Zimmer, et al. Abstract 16938: IW-1973 is a Potent Soluble Guanylate Cyclase Stimulator in vitro and in vivo With Extensive Tissue Distribution.

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

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