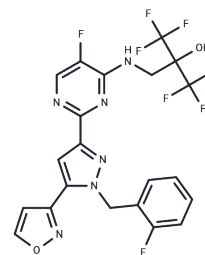


Praliguat

Chemical Properties

CAS No. :	1628730-49-3
Formula:	C ₂₁ H ₁₄ F ₈ N ₆ O ₂
Molecular Weight:	534.36
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Praliguat (IW-1973) stimulates sGC in HEK-293 cells (EC ₅₀ : 197 nM). Praliguat is an effective and orally active soluble guanylate cyclase stimulator. It also enhances NO signaling and acts as a vasodilator.
Targets(IC ₅₀)	Guanylate cyclase

Solubility Information

Solubility	DMSO: 245 mg/mL (458.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (9.36 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8714 mL	9.357 mL	18.714 mL
5 mM	0.3743 mL	1.8714 mL	3.7428 mL
10 mM	0.1871 mL	0.9357 mL	1.8714 mL
50 mM	0.0374 mL	0.1871 mL	0.3743 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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