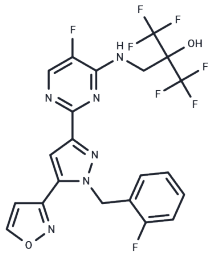
Praliciguat

#Cat:NB-64--07626-1mg Size: 1mg
#Cat:NB-64--07626-2mg Size: 2mg
#Cat:NB-64--07626-5mg Size: 5mg
#Cat:NB-64--07626-10mg Size: 10mg
#Cat:NB-64--07626-25mg Size: 25mg
#Cat:NB-64--07626-50mg Size: 500mg
#Cat:NB-64--07626-100mg Size: 100mg

Chemical Properties



CAS No. :	1628730-49-3
Formula:	C21H14F8N6O2
Molecular Weight:	534.36
Appearance:	Solid
Storage:	Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Praliciguat (IW-1973) stimulates sGC in HEK-293 cells (EC50: 197 nM). Praliciguat is an effective and orally active soluble guanylate cyclase stimulator. It also enhances NO signaling and acts as a vasodilator.
Targets(IC50)	Guanylate cyclase

Solubility Information

Solubility	DMSO: 245 mg/mL (458.49 mM),Sonication is recommended. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (9.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8714 mL	9.357 mL	18.714 mL
5 mM	0.3743 mL	1.8714	3.7428 mL
10 mM	0.1871 mL	mL0.9357	1.8714 mL
50 mM	0.0374 mL	mL0.1871	0.3743 mL

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.

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

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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