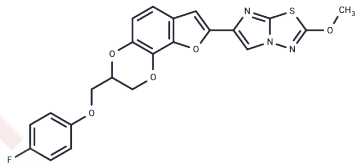
Data Sheet (Cat.No.T209709)

TargetMol

PAR4 antagonist 4

Chemical Properties



CAS No. : 3057206-41-1

Formula: C22H16FN3O5S

Molecular Weight: 453.44

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	PAR4 antagonist4 (Compound 37) is a selective antagonist of protease-activated receptor 4 (PAR4). It exhibits antiplatelet activity with an IC50 of 14.2 nM. Moreover, PAR4 antagonist3 enhances metabolic stability in human liver microsomes, showing a half-life (T1/2) of 42.5 minutes.
Targets(IC50)	Protease-activated Receptor
In vitro	PAR4 antagonist 4 (4 μM) acts against GPVI, inhibiting the collagen-induced platelet aggregation signaling pathway.
In vivo	PAR4 antagonist 4, administered orally at doses of 3-12 mg/kg as a single dose, prolongs bleeding time in the tail-cut model of C57BL/J6 mice without affecting the coagulation system.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2054 mL	11.0268 mL	22.0536 mL
5 mM	0.4411 mL	2.2054 mL	4.4107 mL
10 mM	0.2205 mL	1.1027 mL	2.2054 mL
50 mM	0.0441 mL	0.2205 mL	0.4411 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.

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