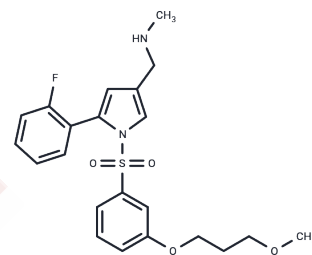


P-CAB agent 2

Chemical Properties

CAS No. :	1978371-23-1
Formula:	C ₂₂ H ₂₅ FN ₂ O ₄ S
Molecular Weight:	432.51
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	P-CAB Agent 2 is a potent, orally active potassium-competitive acid blocker (P-CAB) and gastric acid secretion inhibitor that effectively inhibits H ⁺ /K ⁺ -ATPase activity, showing an IC ₅₀ value of <100 nM. It also demonstrates inhibition of the hERG potassium channel with an IC ₅₀ value of 18.69 M, indicating no acute toxicity. P-CAB Agent 2 effectively curbs histamine-induced gastric acid secretion [1].
Targets(IC ₅₀)	Others,Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3121 mL	11.5604 mL	23.1209 mL
5 mM	0.4624 mL	2.3121 mL	4.6242 mL
10 mM	0.2312 mL	1.156 mL	2.3121 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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.

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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