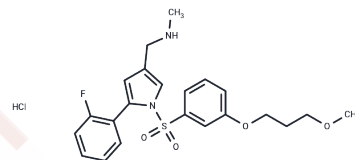


## P-CAB agent 2 hydrochloride

### Chemical Properties

CAS No. : 2209911-80-6  
 Formula: C<sub>22</sub>H<sub>26</sub>ClFN<sub>2</sub>O<sub>4</sub>S  
 Molecular Weight: 468.97  
 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 hydrochloride is a potent, orally active potassium-competitive acid blocker (P-CAB) and gastric acid secretion inhibitor. It effectively inhibits H <sup>+</sup> /K <sup>+</sup> -ATPase activity, with an IC <sub>50</sub> value of <100 nM, and targets the hERG potassium channel with an IC <sub>50</sub> value of 18.69 μM. Moreover, P-CAB agent 2 hydrochloride demonstrates no acute toxicity and effectively inhibits histamine-induced gastric acid secretion [1].
Targets(IC50)	Others,Potassium Channel

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1323 mL	10.6617 mL	21.3233 mL
5 mM	0.4265 mL	2.1323 mL	4.2647 mL
10 mM	0.2132 mL	1.0662 mL	2.1323 mL
50 mM	0.0426 mL	0.2132 mL	0.4265 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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