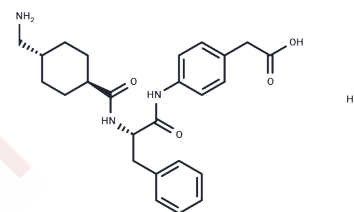


PKSI-527

## Chemical Properties

CAS No. : 128837-71-8  
 Formula: C<sub>25</sub>H<sub>32</sub>ClN<sub>3</sub>O<sub>4</sub>  
 Molecular Weight: 473.99  
 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	PKSI-527 is an inhibitor of plasma kallikrein (K <sub>i</sub> = 0.81 μM). It is selective for plasma kallikrein over glandular kallikrein, plasmin, thrombin, urokinase, and Factor Xa (K <sub>i</sub> s = >500, 390, >500, 200, and >500 μM, respectively). PKSI-527 reduces bradykinin generation induced by kaolin and λ-carrageenan ex vivo in human plasma. It also prolongs partial thromboplastin and euglobulin clot lysis times.
Targets(IC50)	Others,Serine Protease
In vivo	In vivo, PKSI-527 (300 mg/kg per day) reduces hyperplasia, pannus formation, and infiltration of inflammatory cells in the tarsal joint of mice with collagen-induced arthritis.

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1097 mL	10.5487 mL	21.0975 mL
5 mM	0.4219 mL	2.1097 mL	4.2195 mL
10 mM	0.211 mL	1.0549 mL	2.1097 mL
50 mM	0.0422 mL	0.211 mL	0.4219 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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