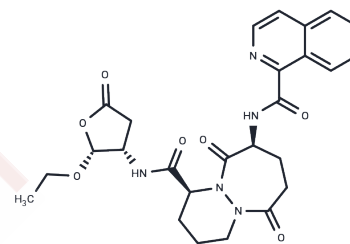


## Prlnacasan

## Chemical Properties

CAS No. :	192755-52-5
Formula:	C <sub>26</sub> H <sub>29</sub> N <sub>5</sub> O <sub>7</sub>
Molecular Weight:	523.54
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	Prlnacasan inhibits proinflammatory cytokines IL-18, IL-1 $\beta$ , and IFN- $\gamma$ . Prlnacasan is an effective, non-peptide, and orally active interleukin-1 $\beta$ converting enzyme inhibitor (K <sub>i</sub> : 1.4 nM). Prlnacasan has the potential for osteoarthritis and rheumatoid arthritis treatment.
Targets(IC50)	Others,Caspase
In vivo	Prlnacasan treatment does not appear to affect the weight of the animals. Prlnacasan (0 -50 mg/kg; oral gavage; twice a day; for 6 weeks; female Balb/c mice) treatment decreases joint damage [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9101 mL	9.5504 mL	19.1007 mL
5 mM	0.382 mL	1.9101 mL	3.8201 mL
10 mM	0.191 mL	0.955 mL	1.9101 mL
50 mM	0.0382 mL	0.191 mL	0.382 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.

## Reference

Rudolphi K, et al. Prlnacasan, an inhibitor of interleukin-1beta converting enzyme, reduces joint damage in two murine models of osteoarthritis. *Osteoarthritis Cartilage*. 2003 Oct;11(10):738-46.

Loher F, et al. The interleukin-1 beta-converting enzyme inhibitor prlnacasan reduces dextran sulfate sodium-induced murine colitis and T helper 1 T-cell activation. *J Pharmacol Exp Ther*. 2004 Feb;308(2):583-90.

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