

## PKSI-527, Plasma kallikrein inhibitor (selective)

Catalog	Unit
TBI2220-5MG	5 mg
TBI2220-25MG	25 mg

### Product Details

**Formal Name:** trans-4-Aminomethylcyclohexanecarbonyl-phenylalanyl-4-carboxymethylanilide, hydrochloride

**Molecular Formula:** C<sub>25</sub>H<sub>31</sub>N<sub>3</sub>O<sub>4</sub>·HCl

**Formula Weight:** 474.00

**CAS Number:** 128837-71-8

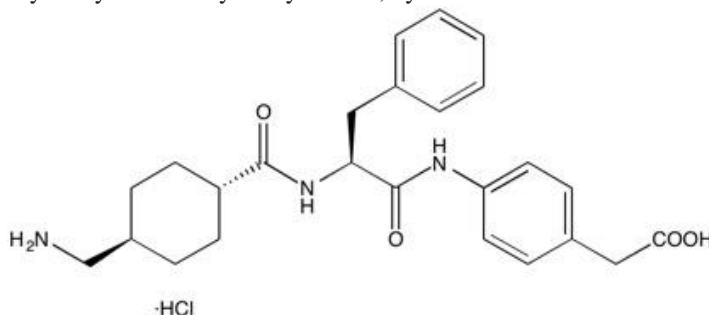
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in Water (up to 5 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Plasma kallikrein inhibitor (selective)

### Functions

Selective inhibitor of plasma kallikrein (PLK) (K<sub>i</sub> = 0.81 μM) that attenuates arthritis and renal damage in rats with adjuvant-induced arthritis. Its combination with NO donor GSNO in blood samples led to strong platelet inhibition and thrombolysis. Blocked PLK-dependent TGF-β activation and significantly reduced hepatic apoptosis and mortality in a mouse model of acute liver injury.

### Application Procedures

First dissolved in Water (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for up to 3 months.

**For research use only.**