

Catalog	Unit
TBI2196-10MG	10 mg
TBI2196-50MG	50 mg

### Product Details

**Formal Name:** 4-(2-(2-(dimethylamino)-2-oxoethoxy)-2-oxoethyl)phenyl 4-guanidinobenzoate, methanesul-fonic acid salt

**Alternate Names:** Methanesulfonic acid salt; FOY-305; Foipan

**Molecular Formula:** C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>O<sub>5</sub> • CH<sub>3</sub>SO<sub>3</sub>H

**Formula Weight:** 494.50

**CAS Number:** 59721-29-8

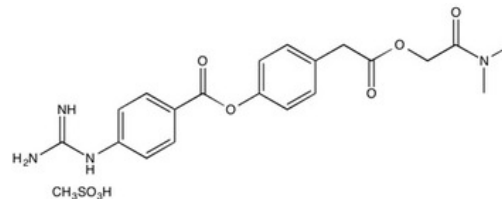
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (50 mg/ml); or Water (50 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Serine protease inhibitor

### Functions

A serine protease inhibitor inhibiting plasmin, kallikrein, thrombin as well as trypsin, which attenuates pancreatic fibrosis. Reduces weight gain and improves metabolism in obese rodent models. In clinical use (in Japan) for pancreatitis. Inhibits influenza virus replication in human tracheal epithelial cells. Reduces infection of Calu-3 lung cells by SARS-CoV-2 (responsible for COVID-19) via inhibition of the serine protease TMPRSS2 required for viral spike protein priming.

### Application Procedures

First dissolved in DMSO (50 mg/ml); or Water (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

**For research use only.**