

## Argatroban, Thrombin inhibitor

Catalog	Unit
TBI2809-10MG	10 mg
TBI2809-50MG	50 mg

### Product Details

**Formal Name:** (2R,4R)-1-[(2S)-5-[(Aminoiminomethyl)amino]-1-oxo-2-[[[(1,2,3,4-tetrahydro-3-methyl-8-quinoliny]sulfonyl]amino]pentyl]-4-methyl-2-piperidinecarboxylic acid

**Alternate Names:** Argidipine; MQPA

**Molecular Formula:** C<sub>23</sub>H<sub>36</sub>N<sub>6</sub>O<sub>5</sub>S

**Formula Weight:** 508.63

**CAS Number:** 74863-84.6

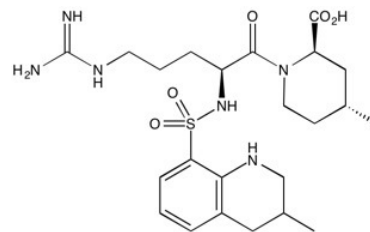
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Thrombin inhibitor

### Functions

Potent and selective thrombin inhibitor (K<sub>i</sub> = 19 nM). Prevents platelet-rich arterial thrombosis in a rabbit model. Ameliorates early brain injury and improves neurological outcomes after subarachnoid hemorrhage in a rat model. Reduces breast cancer malignancy and metastasis via osteopontin-dependent and independent mechanisms.

### Application Procedures

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

**For research use only.**