

## SRPIN340, SRPK inhibitor

Catalog	Unit
TBI1500-5MG	5 mg
TBI1500-25MG	25 mg

### Product Details

**Formal Name:** N-[2-(1-Piperidiny)-5-(trifluoromethyl)phenyl]-4-pyridinecarboxamide

**Molecular Formula:** C<sub>18</sub>H<sub>18</sub>F<sub>3</sub>N<sub>3</sub>O

**Formula Weight:** 349.35

**CAS Number:** 218156-96-8

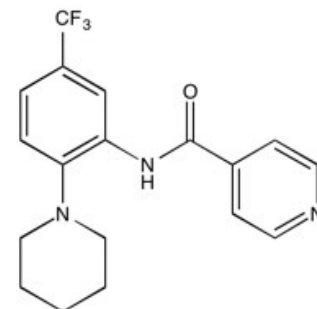
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 25 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

SRPK inhibitor

### Functions

Selective serine arginine protein kinase (SRPK) 1 inhibitor (K<sub>i</sub> = 0.89 μM). Inhibits SRPK2 at higher concentrations. Does not significantly inhibit other SRPKs such as CLK1 and CLK4, or other classes of SR kinases. Inhibits viral replication by inhibition of host SR protein kinases. Modulates VEGF splicing to reduce pathological neovascularization in a rat model of retinopathy and controls VEGF-mediated tumor angiogenesis in xenografts.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**