

## SB-3CT, MMP-2 inhibitor

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Catalog	Unit
TBI2493-5MG	5 mg
TBI2493-25MG	25 mg

### Product Details

**Formal Name:** 2-[[4-Phenoxyphenyl)sulfonyl]methyl]-thiirane (racemic)

**Molecular Formula:** C<sub>15</sub>H<sub>14</sub>O<sub>3</sub>S<sub>2</sub>

**Formula Weight:** 306.4

**CAS Number:** 292605-14-2

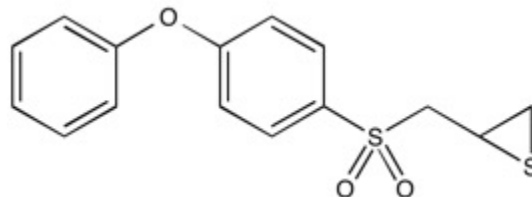
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (35 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

MMP-2 inhibitor

### Functions

Potent and selective inhibitor of MMP2 ( $K_i=28$  nM) which also inhibits MMP9 ( $K_i=400$  nM). The drug rescues laminin from proteolysis and neurons from apoptosis in a transient focal cerebral ischemia mouse model. It abrogates elevation of blood brain barrier (BBB) permeability in mouse Parkinson's disease models and improves specific neurobehavioral deficits in a mouse model of Alzheimer's disease. BBB permeable.

### Application Procedures

First dissolved in Soluble in DMSO (35 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.**