

Catalog	Unit
TBI1195-5MG	5 mg
TBI1195-25MG	25 mg

### Product Details

**Formal Name:** N-[(4-Methoxyphenyl)methyl]-N'-(5-nitro-2-thiazolyl)urea

**Molecular Formula:** C<sub>12</sub>H<sub>12</sub>N<sub>4</sub>O<sub>4</sub>S

**Formula Weight:** 308.32

**CAS Number:** 487021-52-3

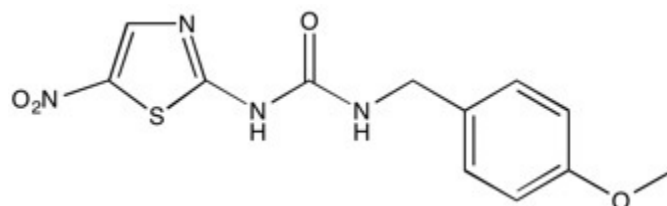
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

GSK-3 inhibitor

### Functions

Selective glycogen synthase kinase 3 (GSK-3) inhibitor, IC<sub>50</sub> = 104 nM. Inhibits β-amyloid-mediated neurodegeneration in hippocampal slices. Anti-inflammatory activity. Cell permeable. Active in rodent models.

### Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**