

Catalog	Unit
TBI1526-5MG	5 mg
TBI1526-25MG	25 mg

### Product Details

**Formal Name:** (2S,3S)-2-Amino-3-methyl-N-[2-(4-morpholinyl)ethyl]pentanamide, dihydrochloride

**Molecular Formula:** C<sub>12</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub> · 2HCl

**Formula Weight:** 316.27

**CAS Number:** 1243259-19-9

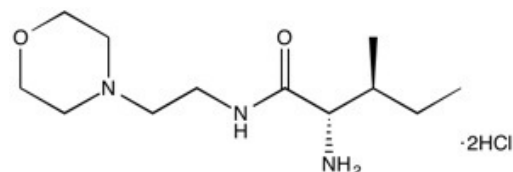
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml) or in Water (up to 30 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

p75NTR ligand. Promotes neurogenesis

### Functions

A nonpeptide neurotrophic factor receptor p75 (p75NTR) agonist which promotes survival signaling in neurotrophin-responsive cells. Promotes functional recovery in a mouse model of spinal contusion injury. Protects neurogenesis after traumatic brain injury. Reverses cholinergic neurite dystrophy in Alzheimer's disease mouse models. Stabilizes neuronal calcium, preserves mitochondrial movement and protects against HIV-associated neuropathogenesis. Orally active and blood-brain barrier permeant.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Water (up to 30 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.**