

## Tianeptine Na, Neuroprotective agent

Catalog	Unit
TBI2937-10MG	10 mg
TBI2937-50MG	50 mg

### Product Details

**Formal Name:** 7-[(3-chloro-6,11-dihydro-6-methyl-5,5-dioxidibenzo[c,f][1,2]thiazepin-11-yl)amino]heptanoic acid, sodium salt

**Molecular Formula:** C<sub>21</sub>H<sub>24</sub>ClN<sub>2</sub>O<sub>4</sub>S Na

**Formula Weight:** 458.93

**CAS Number:** 30123-17-2

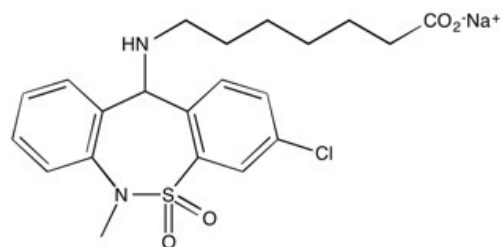
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 5 mg/ml) or in Water (up to 45 mg/ml)

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

Neuroprotective agent

### Functions

Selective enhancer of serotonin uptake in the brain with no effect on noradrenalin or dopamine uptake. Clinically useful antidepressant. Displays neuroprotective effects against hypoxia in cell culture and against the deleterious effects of cytokines in vivo. Induces mTORC1 activation in rat hippocampal neurons and increases dendritic outgrowth, spine density and synaptic proteins. Attenuates LPS-evoked inflammatory activation of microglial cells in culture.

### Application Procedures

First dissolved in DMSO (up to 5 mg/ml) or in Water (up to 45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 2 months.

**For research use only.**