
Catalog	Unit
TBI3230-5MG	5 mg
TBI3230-25MG	25 mg

Product Details

Formal Name: Cholest-4-en-3-one oxime

Alternate Names: Olesoxime

Molecular Formula: C₂₇H₄₅NO

Formula Weight: 399.65

CAS Number: 22033-87-0

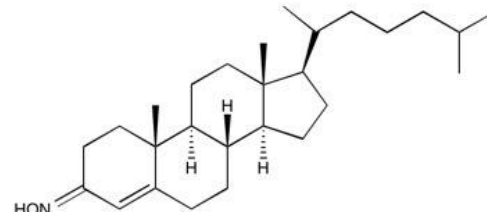
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Neurotrophic agent

Functions

Neuroregenerative and neuroprotective agent acting at components of the mitochondrial permeability transition pore (MPTP). Rescues motor neurons from axotomy-induced cell death and promotes nerve regeneration following sciatic nerve crush in mice. Reduces ROS and NLRP3 inflammasome activation in a mouse model of intracerebral hemorrhage. Inhibits MPTP opening and protects neurons from apoptosis. Induces oligodendrocyte maturation in culture and promotes myelin regeneration in vivo in a rodent model.

Application Procedures

First dissolved in DMSO (up to 20 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 3 months.

For research use only.