

Deprenyl, Neuroprotective agent

Catalog	Unit
TBI1143-100MG	100 mg
TBI1143-1G	1 g

Product Details

Formal Name: (R)-(-)-N- α -Dimethyl-N-2-propynylbenzeneethanamine, hydrochloride

Alternate Names: Selegiline

Molecular Formula: C₁₃H₁₇N • HCl

Formula Weight: 223.70

CAS Number: 14611-52-0

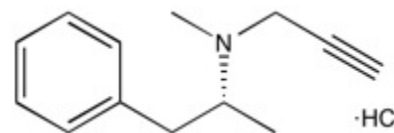
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (up to 25 mg/ml).

Storage: RT

Stability: \geq 2 years.



Applications

Neuroprotective agent

Functions

A potent inhibitor of monoamine oxidase B (MAO- B) which has been used for the treatment of Parkinson's disease. Displays neuroprotective effects rescuing nigral dopaminergic neurons after systemic MPTP treatment. Rescues PC12 cells from trophic withdrawal-induced apoptosis. Glyceraldehyde-3-phosphate dehydrogenase has been found to be the putative target responsible for its neuroprotective effects.

Application Procedures

First dissolved in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in Water may be stored at -20°C for up to 3 months.

For research use only.