

Pseurotin A, Neuritogenic agent

Catalog	Unit
TBI2630- 1MG	1 mg
TBI2630- 5MG	5 mg

Product Details

Formal Name: (5S,8S,9R)-8-benzoyl-2-[(Z,1S,2S)-1,2-dihydroxyhex-3-enyl]-9-hydroxy-8-methoxy-3-methyl-1-oxa-7-azaspiro[4.4]non-2-ene-4,6-dione

Molecular Formula: C₂₂H₂₅NO₈

Formula Weight: 431.44

CAS Number: 58523-30-1

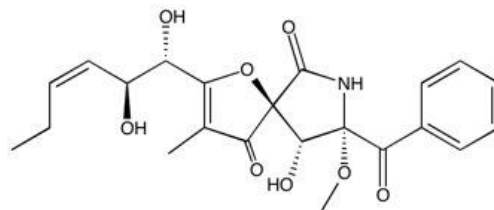
Purity: 99%

Formulation: Powder

Solubility: Soluble in DMSO (10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Neuritogenic agent

Functions

Pseurotin A (58523-30-1) is a fungal metabolite with novel structure. Displays potent neuritogenic activity in PC12 cells. Induces multipolar and branching neurites comparable to that produced by β-NGF. Displays immunosuppressive activity via inhibition of immunoglobulin E production in vitro. Displays antiproliferative effects on four glioma cell lines by regulating tumor metabolic enzymes. Inhibits osteoclastogenesis and prevents ovariectomized-induced bone loss by suppression of ROS.

Application Procedures

First dissolved in DMSO (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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