

| Catalog | Unit |
|---------------|------|
| TBI2399 - 1MG | 1 mg |
| TBI2399 - 5MG | 5 mg |

Product Details

Formal Name: (5R,9R,11E)-5-amino-11-ethylidene-7-methyl-5,6,9,10-tetrahydro-5,9-methanocycloocta[b]pyridin-2(1H)-one

Alternate Names: Selagine

Molecular Formula: C₁₅H₁₈N₂O

Formula Weight: 242.3

CAS Number: 120786-18-7

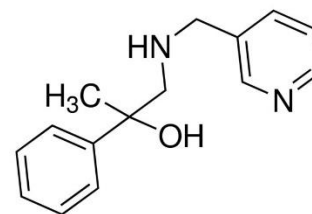
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

Acetylcholinesterase inhibitor

Functions

Huperzine A is an alkaloid from the club moss *Huperzia serrata* that reversibly inhibits acetylcholinesterase (AChE, preferentially the tetrameric form, $K_i = 7$ nM), and antagonizes NMDA receptors (IC_{50} rat cerebral cortex = 126 μ M). It is thought to have cognitive-enhancing properties, including amelioration of Alzheimer's disease. Recently, it has also been shown to rescue ovarian function in rats as well as display analgesic activity in a rat spinal cord compression model.

Application Procedures

First dissolved in DMSO (up to 20 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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