

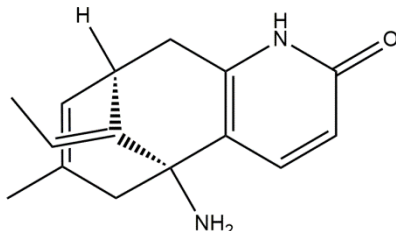
(-)-Huperzine A

12/20

ALTERNATE NAMES: Selagine, (1R,9R)-1-amino-13-ethylidene-11-methyl-6-azatricyclo[7.3.1.0^{2,7}]trideca-2(7),3,10-trien-5-one; 5,9-Methanocycloocta[b]pyridin-2(1H)-one, 5-amino-11-ethylidene-5,6,9,10-tetrahydro-7-methyl-, (5R,9R,11E)-

CATALOG #: B3095-5 5 mg
B3095-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₈N₂O

MOLECULAR WEIGHT: 242.32

CAS NUMBER: 102518-79-6

APPEARANCE: White crystalline powder

PURITY: ≥ 98%

SOLUBILITY: ~20 mg/ml in DMSO

DESCRIPTION: (-)-Huperzine A is a potent and reversible inhibitor of acetylcholinesterase. It shows an IC₅₀ value of 82 nM against acetylcholinesterase in the rat cortex *in vitro*. It also acts as an antagonist of the N-methyl-D-aspartate (NMDA) receptor and inhibits NMDA induced toxicity. It is beneficial in improving cognitive function in Alzheimer's disease.

STORAGE TEMPERATURE: -20 °C. Protect from air. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Tun, M.K.M., and Herzon, S.B. The pharmacology and therapeutic potential of (-)-huperzine A. *J.Exp.Pharmacol.* 4, 113-123 (2012).

RELATED PRODUCTS:

Donepezil Hydrochloride (Cat. No. B3092)
 Galantamine Hydrobromide (Cat. No. B3094)
 Rivastigmine tartrate (Cat. No. B3093)
 Curvularin (Cat. No. 9694)
 Acetylcholinesterase Inhibitor Screening Kit (Colorimetric) (Cat. No. K197)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**