

Product Name : (-)-Huperzine A

Synonyms : Huperzine A

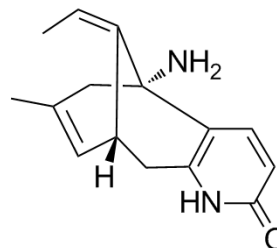
Cat No. : M10115

CAS Number : 102518-79-6

Molecular Formula : C₁₅H₁₈N₂O

Formula Weight : 242.32

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



Description : A naturally occurring sesquiterpene alkaloid that is a reversible and selective inhibitor of acetylcholinesterase (AChE); has been used for improving memory, cognitive and behavioral function in Alzheimer's disease; activates Wnt/ β -catenin signaling and enhances the nonamyloidogenic pathway in an Alzheimer transgenic mouse model. Alzheimer's Disease Approved

Pathway : Metabolic Enzyme/Protease

Target : AChE

Receptor : AChE (G4 form)

Solubility : 10 mM in DMSO

SMILES : O=C(N1)C=CC2=C1C[C@H]3C[C@@]2(N)CC(C)=C3=C1C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Burshtein G, et al. Planta Med. 2013 Mar;79(3-4):259-65. | 2. Wang J, et al. J Neurosci Res. 2010 Mar;88(4):807-15. | 3. Wang CY, et al. Neuropsychopharmacology. 2011 Apr;36(5):1073-89.