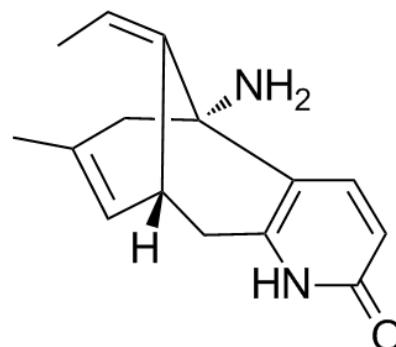


**Product Name** : (-)-Huperzine A  
**Cat. No.** : PC-45210  
**CAS No.** : 102518-79-6  
**Molecular Formula** : C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O  
**Molecular Weight** : 242.3162  
**Target** : Acetylcholinesterase (AChE)  
**Solubility** : 10 mM in DMSO



## Biological Activity

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

## References

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

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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