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Product Information

Product ID H8162

CAS No. 102518-79-6

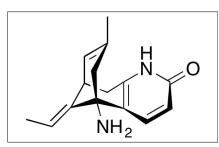
Chemical Name 1-amino-13-ethylidene-11-methyl-6-aza-tricyclo- [7.3.1.02,7]trideca-2

(7),3,10-trien-5-one

Synonym HupA

Formula C₁₅H₁₈N₂O Formula Wt. 242.32 Melting Point 214-215°C Purity ≥97%

Solubility Soluble in DMSO, ethanol, methanol, and aqueous acids.



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
H8162	1 mg	\$139.00
H8162	5 mg	\$612.70

Store Temp 4°C

Ship Temp Ambient

Description Huperzine A (HupA) is a sesquiterpene alkaloid derived from the fir-like moss *Huperzia serrata*; it exhibits anticonvulsant/antiepileptic, neuromodulatory, cognition enhancing, neuroprotective, and antinociceptive activities. HupA acts as a reversible, selective acetylcholinesterase (AChE) inhibitor and is being explored in clinical trials as a potential treatment for Alzheimer's Disease. Several studies have shown HupA to improve cognition, memory, mood, and/or daily activities at a range of doses. Additionally, HupA's comparatively long-lasting binding of AChE is protective against organophosphate-induced seizure and status epilepticus. In cellular and animal models, this compound exhibits non-competitive, reversible antagonist activity at NMDA receptors. HupA is also under examination as a potential non-dependence-inducing antinociceptive, as it blocks chemical, thermal, and mechanical pain stimulation in vivo.

References Yu D, Thakor DK, Han I, et al. Alleviation of chronic pain following rat spinal cord compression injury with multimodal actions of huperzine A. Proc Natl Acad Sci U S A. 2013 Feb 19;110(8):E746-55. PMID: 23386718.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.