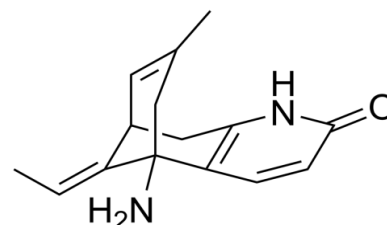


# TECHNICAL DATA SHEET

<b>Product name</b>	: Huperzine A	<b>Sources</b>	: Huperzia Serrata Extract
<b>Synonyms</b>	: (5R,9R,11E)-5-amino-11-ethylidene-5,6,9,10-tetrahydro-7-methyl-5,9-methanocycloocta [b]pyridin-2(1H)-one; Haboyin; (-)-Huperzine A, Selagine		
<b>CAS No.</b>	: 102518-79-6		
<b>EINECS/ELINCS</b>	: 600-320-6		
<b>Molecular formula</b>	: C <sub>15</sub> H <sub>18</sub> N <sub>2</sub> O		
<b>Molecular weight</b>	: 242.32		



## Description

Huperzine A is an alkaloid compound that is purified from the Chinese club moss *Huperzia serrate*. Sometimes it is called selagine. It was first identified in the 1980s, but extracts of the plant have been used in China for centuries as an herbal medicine. Huperzine A is a reversible acetyl cholinesterase inhibitor and NMDA receptor antagonist that cross the blood-brain barrier. By increasing the levels of neurotransmitters in the brain, Huperzine A is touted for its ability to enhance memory and cognition. And the effect on memory makes it a very popular natural nootropic for students who want to improve their studying and recall abilities. This herbal ingredient can act as a neuroprotectant, commonly used to treat Alzheimer's disease and other neurodegenerative diseases. It has also been postulated as a potential treatment for myasthenia gravis. Huperzine A may present with mild cholinergic side effects such as nausea, vomiting, and diarrhea. The use of huperzine A during pregnancy and lactation is not recommended.

## Specifications

Purities	1%	5%	99%
Color	Grey	Grey	White
Form	Powder		
Loss on drying	≤ 5.0%		
Heavy metals	≤ 20ppm		
Lead	≤ 1ppm		
Cadmium	≤ 0.5ppm		
Arsenic	≤ 0.5ppm		
Mercury	≤ 0.5ppm		
Microbials			
Total Plate Count	NMT 1000 cfu/g		
Yeast and Mold	NMT 100 cfu/g		
Escherichia coli	Negative		
Salmonella	Negative		
Solubility (in vitro)	Soluble in chloroform, methanol, ethanol, slightly soluble in water.		
Density	1.2 ± 0.1 g/cm <sup>3</sup>		
Flash Point	259.2 ± 30.1°C		
Melting Point	217-219°C		
GHS Classification & Signal:	Purity 99% Danger		



## Allergement Statements

	Absent	Present
Milk and products thereof	X	
Eggs and products thereof	X	
Fish and products thereof	X	
Crustaceans and products thereof	X	
Tree nuts	X	
Wheat and products thereof	X	
Peanuts and products thereof	X	
Soybeans and products thereof	X	

### Applications

Memory enhancer, Nootropic, treatment of Alzheimer's disease and myasthenia gravis;

### Status

Non GMO product.  
 Not Irradiated product.  
 Gluten Free product.  
 Animal Origin Free product.

### Packaging

30-1000g per foil bag.

### Shelf life and Storage

24months unopened stored in a cool and dry location.