

Avipaxin

Blend of ingredients shown to balance immune activity and promote mental acuity*

Key Ingredients

<p>Acetyl-L-carnitine (ALC)</p>	<ul style="list-style-type: none"> Provides an acetyl group required for acetylcholine synthesis^{1*} Derivative of L-carnitine shown to increase plasma and brain levels of L-carnitine^{2,3*} L-carnitine facilitates energy production in the mitochondria and provides antioxidant protection by scavenging reactive oxygen species and metal ions^{3-5*}
<p>Alpha-glyceryl-phosphorylcholine (AGPC)</p>	<ul style="list-style-type: none"> Choline donor and precursor to acetylcholine^{6,7*} Multiple data sets showed alpha-GPC improved cognitive scores⁸
<p>Huperzia serrata (standardized to 1% huperzine A)</p>	<ul style="list-style-type: none"> Acetylcholinesterase breaks down acetylcholine in the synapse⁴ Huperzine A is a potent and selective acetylcholinesterase (AChE) inhibitor which helps to decrease acetylcholine breakdown to maintain balance^{9*} Data shows huperzine A improved mini-mental status exam scoring^{10*}

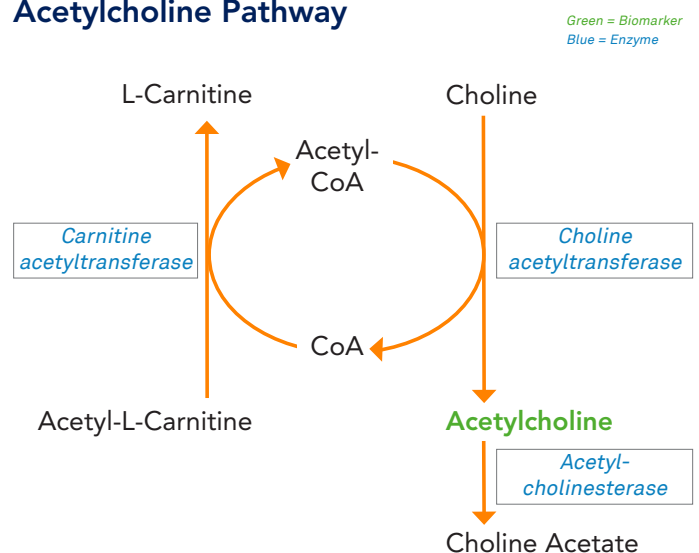


The Science



- Acetylcholine is a neurotransmitter found throughout the peripheral and central nervous systems known for its importance in **attention, learning, and memory**¹¹
- Acetylcholine released by the vagus nerve is essential to balance immune health due to its ability to **downregulate cytokine expression** in the spleen, liver, and gastrointestinal tract¹²

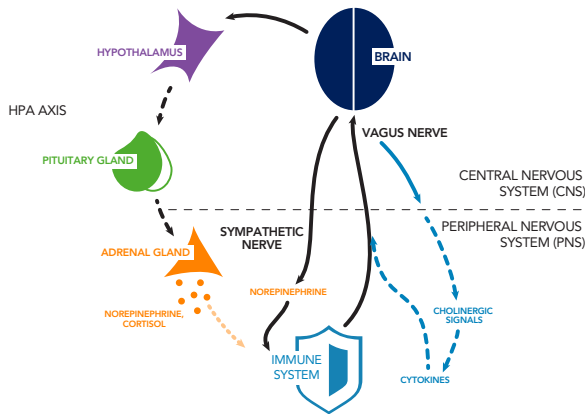
Acetylcholine Pathway



*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

MORE SCIENCE BEHIND AVIPAXIN

Figure 1. Cholinergic Signaling



Connecting the brain and immune system

In the central nervous system, healthy cholinergic signaling is involved in many critical processes¹¹

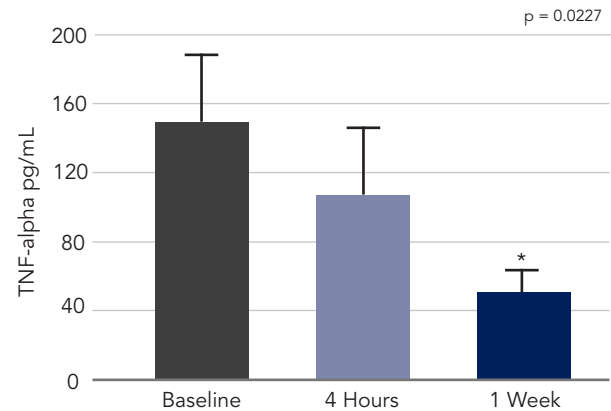
- These include mental acuteness through aspects like attention, learning, memory, and the stress response¹¹
- Additionally, acetylcholine is vital for balanced immune health and regulation¹²

Cholinergic signaling from the vagus nerve facilitates communication between the brain and immune system¹²

- Afferent vagal nerve fibers detect cytokines in the periphery and signal to the central nervous system about immune activation¹²
- Integration of vagal signals in the brain activates the HPA axis, completing the communication loop between the PNS and CNS³

Avipaxin contains precursors ALC and AGPC along with *Huperzia serrata* to support acetylcholine and balance the immune system^{1-7*}

Figure 2. Avipaxin Lowers TNF-Alpha Activity*



Impactful balanced supplementation

Avipaxin supports immune function by decreasing six pro-inflammatory markers^{13*}

- Eleven healthy individuals supplemented with Avipaxin and data was gathered on immune function and cognition^{13*}
- Decreases were seen in six pro-inflammatory markers, including TNF-alpha (Figure 2.)^{13*}

Data shows improved mental acuity and wellbeing with Avipaxin^{13*}

- Participants reported feeling more clear-headed, more focused, and waking refreshed and alert^{13*}

Avipaxin has been shown to support both balanced immune function and mental acuity, resulting in improved wellbeing^{13*}



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