



- **Latin Name:** Vinca Minor L
- **Active Ingredient:** Vinpocetine
- **CAS No.:**
- **Test method:** HPLC
- **Specifications:** 10~99%

Product Description:

What is it?

Vinpocetine is an herbal supplement used to treat thinking and memory problems, such as Alzheimer's disease.

Other names for Vinpocetine include: Ethyl apovincamate, Ethyl apovincaminoate, and vinca minor.

Vinpocetine is a derivative of Vincamine. It facilitates cerebral metabolism by improving blood flow to the brain, boosting brain cell ATP production, and increasing utilization of glucose and oxygen by neurons. Vinpocetine increases the production of Noradrenaline and Dopamine, contributing, in this way, to the release of Serotonin and the concentration of Acetylcholine. Research has shown that the effects of this compound go beyond mere prevention and turn it into a Powerful Memory Enhancer.

Vinca Minor LVincamine is a purified extract of Vinca Minor L (Periwinkle plant). Used as a cerebral vasodilator for enhancing mental alertness, it increases blood flow to the brain and improves its oxygenation. The original use of the plant goes back to European traditional home remedies. This herb is well known and widely used in popular medicine as an important component in herbal teas against nervousness in the elderly suffering from insomnia, anxiety and aggressiveness.

Vinpocetine, a powerful cognitive enhancer presently in use in over 35 countries around the world. As clinical studies have shown, Vinpocetine helps maintain healthy circulation in the brain and accelerates cerebral metabolism. Vinpocetine also aids memory, increasing the concentration of certain neurotransmitters involved in memory formation, such as dopamine, noradrenaline, serotonin, and acetylcholine. By expanding the brain's blood vessels and optimizing the blood flow, Vinpocetine improves the brain's access to oxygen and other essential nutrients thus, maximizing mental performance.

Clinical trials have proven that Vinpocetine meaningfully improves the outcome of stroke patients, even when administered long after the initial stroke event. In a 1985 Japanese study, researchers demonstrated improvement in two-thirds of stroke patients receiving Vinpocetine. Vinpocetine's

effectiveness in stroke recovery is likely due in part to its remarkable ability to dilate brain arteries, enhancing brain blood flow in patients with cerebrovascular disease. This improves delivery of lifegiving oxygen to marginally functioning areas of the brain.

As a potent antioxidant and neuroprotector, Vinpocetine limits ongoing brain damage from free radical production. In addition, it increases the flexibility of red blood cells and reduces the tendency of red blood cells and platelets to stick together, further enhancing blood flow to damaged areas of the brain while reducing the risk of subsequent stroke.

Basic Information of Vinpocetine:

Molecular Formula: C₂₂H₂₆N₂O₂

Molecular Weight: 350.5

CAS No.: 42971-09-5

Synonyms: Ethyl-apovincamate; 3a,16a-Apovincaminic acid ethyl ester; (3a,16a)-Eburnamenine-14-carboxylic acid ethyl ester; Ethyl apovincamin-22-oate; RGH-4405

Solubility: Soluble in acetic acid, DMSO (5 mg/ml), acetone (25 mg/ml), chloroform, and slightly soluble in ethanol (10 mg/ml) and other alcohols. Insoluble in water. Store solutions aliquoted at -20 °C for up to 3 months.

Appearance: Fine solide

Color: White

Before Using:

Tell your doctor if you are taking medicine or are allergic to any medicine (prescription or over-the-counter (OTC) or dietary supplement) are pregnant or plan to become pregnant while using this medicine are breastfeeding have a history of depression, breast cancer, have pheochromocytoma, or ulcers have any other health problems, such as high blood pressure or heart or blood vessel disease

Dosage:

Talk with your caregiver about how much Vinpocetine you should take.

The amount depends on the strength of the Vinpocetine and the reason you are taking Vinpocetine.

To store this Vinpocetine:

- Keep all Vinpocetine locked up and away from children. Store medicine away from heat and direct light.
- Do not store your Vinpocetine in the bathroom, near the kitchen sink, or in other damp places.
- Heat or moisture may cause the Vinpocetine to break down and not work the way it should work.
- Throw away Vinpocetine that is out of date or that you do not need. Never share your Vinpocetine with others.

Warnings:

- Before taking Vinpocetine, tell your doctor if you are pregnant or breastfeeding
- Do not take Vinpocetine if you have a low blood pressure
- Do not take Vinpocetine if you have constipation (difficulty having a bowel movement)
- Do not use Vinpocetine if you have a seizure disorder

-Do not use Vinpocetine if you have liver problems

Side Effects:

-Stop taking your Vinpocetine right away and talk to your doctor if you have any of the following side effects.

-Your Vinpocetine may be causing these symptoms which may mean you are allergic to it.

-Breathing problems or tightness in your throat or chest Chest pain Skin hives, rash, or itchy or swollen skin

Other Side Effects:

You may have the following side effects, but this medicine may also cause other side effects.

Tell your doctor if you have side effects that you think are caused by this Vinpocetine.

Seek Vinpocetine attention immediately if you have a change in blood pressure or heart rate Upset stomach and headaches Facial flushing (sweaty, warm, and red face) can occur with Vinpocetine

HPLC Chromatogram of vinpocetine

Vinpocetine HPLC Fingerprint

Why Organic Herb Inc. vinpocetine

A.) Organic Herb Inc. vinpocetine is 100% extracted from natural Vinca Minor L plant, very safe and more bioactive.

B.) Organic Herb Inc's vinpocetine has the high purity to meet your body needs.

C.) Organic Herb Inc. vinpocetine almost have no unpleasant taste compare to others'. and it can be easier to take by oral.

D.) Organic Herb Inc. offer vinpocetine at a very lower price with a very high and uniform quality.

E.) More important --- we have a very large output to meet our customers' big and continual orders.

References:

1. Hitzenger G, Sommer W & Grandt R: Influence of vinpocetine on warfarin-induced inhibition of coagulation. Int J Clin Pharmacol Ther Toxicol 1990; 28: 323-328.
2. Anon: Vinpocetine monograph. In: DrugDex Drug Evaluations. Micromedex Inc, Englewood, CO; 2000.
3. Manconi E, Binaghi F & Pitzus F: A double-blind clinical trial of vinpocetine in the treatment of cerebral insufficiency of vascular and degenerative origin. Curr Ther Res 1986; 40: 702-709.
4. Hindmarch I, Fuchs HH & Erzigkeit H: Efficacy and tolerance of vinpocetine in ambulant patients suffering from mild to moderate organic psychosyndromes. Int Clin Psychopharmacol 1991; 6: 31-43.
5. Thal LJ, Salmon DP, Lasker B et al: The safety and lack of efficacy of vinpocetine in Alzheimer's disease. J Am Geriatr Soc 1989; 37: 515-520.
6. Blaha L, Erzigkeit H, Adamczyk A et al: Clinical evidence of the effectiveness of vinpocetine in the treatment of organic psychosyndrome (abstract). Human Psychopharmacol 1989; 4: 103-111.
7. Brinker F: Herb contraindications and drug interactions, 2nd ed. Eclectic Medical Publications, Sandy, OR; 1998.