

COGNITON

COMPOSITION: Vinpocetine 5/10 mg Tablets

PRESENTATION: 10 Tablets x 10 Blisters

PRODUCT ORIGIN

- Vinpocetine (vinpocetine-ethyl apovincamate) was synthesized in the late 1960s, derived from the alkaloid 'Vincamine', extracted from the leaf of the lesser Periwinkle plant (*Vinca minor*).
- Vincamine is found in the aerial part of *Vinca minor* plant and can also be derived from other plant sources in nature such as the *Voacanga* and the *Crioceras longiflorus*.
- Vinpocetine sourced by Deurali-Janta from Switzerland is developed from the alkaloid extract of *Voacanga* seeds found primarily in the West Africa.
- Vinpocetine was made available under the trade name Cavinton in 1978 and has since been used widely in Japan, Hungary, Germany, Poland and Russia for the treatment of cerebrovascular-related pathologies.

MOLECULE HIGHLIGHTS

- Clinical trials suggest that Vinpocetine facilitates the cerebral metabolisms, improving blood circulation in the brain, increasing the consumption of oxygen and glucose by the neurons and the concentration of neurotransmitters involved in the memory formation process.
- It selectively dilates the arteries and capillaries in the head area, which improves circulation to the brain, thus alleviating cerebral insufficiency.
- It has also been revealed that Vinpocetine may contribute towards keeping microcirculation healthy in vital organs as well as in eyes and ears.
- Research relating to the effects of this compound demonstrates that it goes beyond mere prevention, and makes it a powerful memory enhancer
- **Dietary supplement** for its vasodilation and **nootropic** for the improvement of memory.

HOW DO THEY WORK?

- Increase brain neurotransmitter, hormone, enzymes
- Increase brain oxygen
- Increase nerve growth

5 ways Vinpocetine increases brain metabolism:

1. Increases blood flow.
2. Increases the rate at which brain cells produce ATP (which is a cell molecule that creates energy).
3. Speeds up the use of glucose in the brain. Regulates Sodium/ Potassium channels
4. Speeds up the use of oxygen in the brain.
5. Vinpocetine increases levels of neurotransmitters involved in memory function.

CLINICAL INDICATIONS

- Cerebral circulation
- Dementia
- Short term memory and learning
- Stroke
- Anti ischemic and neural protector

DOSAGE

- Recommended dosage for adult is;
- 15 to 30 mg daily in 3 divided doses.
- Most clinical studies used vinpocetine cogniton 10 mg 3 times daily (orally or parenterally), followed by 5 mg 3 times daily for additional 2 months.

PHARMACOKINETICS

- Vinpocetine, when taken on an empty stomach, has an absorption rate of 6.7%
- When taken with food, absorption increases 60-100 %
- Vinpocetine reaches the bloodstream approximately one hour after administration, whether taken with food or on an empty stomach
- The elimination half-life of the oral form is 1-2 hours
- Majority of Vinpocetine is eliminated from the body within eight hours

DRUG INTERACTIONS

- Because vinpocetine decreases platelet aggregation it should be avoided in patients on blood thinning medications.

CONCLUSION

- Vinpocetine may not be a cure-all, but it clearly demonstrates value in **enhancing brain function and cognitive ability** in many cases.
- As we strive to slow the aging process and fight back the deterioration of the brain and mind, **Vinpocetine stands to be one of the valuable agents we use for wellness as we grow older.**

For further information, please contact:

Market Planning Department



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