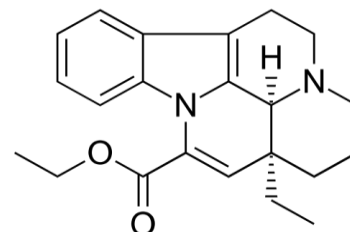


# TECHNICAL DATA SHEET

<b>Product name</b>	: Vinpocetine	<b>Sources</b>	: Vincamine synthetic derivative
<b>Synonyms</b>	: Cavinton, ethyl apovincamate, ethyl apovincamate tartrate (1:1), ethyl apovincamate, (3alpha,16alpha)-isomer, 2-oxopentanedioate (1:1) ethyl apovincamate, 3H-labeled		
<b>CAS No.</b>	: 42971-09-5		
<b>EINECS/ELINCS</b>	: 256-028-0		
<b>Molecular formula</b>	: C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>2</sub>		
<b>Molecular weight</b>	: 350.46		



## Description

Vinpocetine is a synthetic derivative of the vincamine, which is the vinca alkaloid extract from the lesser periwinkle plant. It has effects on brain blood vessels, brain blood flow, and brain cells themselves. In this way, it can be of value in enhancing the delivery of oxygen and nutrients to the brain, as well as in possibly preventing the damage that occurs if nutrient delivery is impaired. It is considered a pharmaceutical available by prescription to treat stroke and cognitive impairment. Some research suggests that vinpocetine may also help to prevent the chronic cerebral vascular ischemia and the neurotoxic effects implicated in Alzheimer's disease. It's also acts as an antioxidant, protecting the brain from the negative effects of stress, environmental toxins, and the aging process, sharpening memory, enhancing athletic performance.

On September 6, 2016 the FDA announced its tentative conclusion that vinpocetine (1) does not meet the definition of a dietary ingredient, and (2) is excluded from the definition of a dietary supplement in the Federal Food, Drug, and Cosmetic Act (FD&C Act). The agency is accepting comments on this tentative conclusion until November 7, 2016. Not sold in Australia, Canada, New Zealand and withdrawn from US market

## Specifications

Purities	> 99%
Color	White
Form	Crystalline 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)	>5.8mg/mL in DMSO, Soluble freely in chloroform, insoluble in water.
Density	1.28 g/cm <sup>3</sup>
Flash Point	207.5°C
Melting Point	147-153°C
Acute toxicity:	<u>LD50 Mice,Rats (mg/kg): 534,503 Orally; 240, 133.8 Intraperitoneal injection; 58.7, 42.6 intravenous injection.</u>
Typical Dosage:	<u>15 to 30 mg per day, divided into 3 daily doses</u>

## 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

Brain booster, Nootropic, treatment of Alzheimer's disease; Natural brain antioxidant.

### Status

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

### Packaging

1-100g per foil bag.

### Shelf life and Storage

24months unopened stored in a cool and dry location.