

Vinpocetine

Semi-Synthetic Derivative



Vinpocetine

Semi-synthetic derivative of Voacanga africana seeds

Vinpocetine oral grade

Suitable for oral pharmaceutical forms



Vinject™

Non-sterile API. Suitable for injectable pharmaceutical forms



Uses

Vinpocetine has been found to enhance cognitive functions and, very importantly, help to reverse and prevent cognitive dysfunctions

Vinpocetine acts as a peripheral vasodilator that increases cerebral blood flow, activates cerebral metabolism with neuro-protective effects, and **supports brain functions**, such as concentration and memory

Vinpocetine is widely used in the management of **acute and chronic cerebral circulatory disorders** of various origins, **degenerative senile cerebral dysfunction**, and **cognitive disorders** (memory disorders, motor disorders, dizziness, and headache)

Key

EP European Pharmacopeia monograph

DMF Drug Master File available

 Pharmaceutical (API)

 Food supplement Ingredient

Linnea Extracts

The philosophy of Excellence

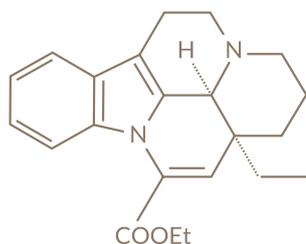
- **West African** specialized plantations
- **A selected network** of suppliers
- **Controlled harvesting**
- Linnea inspects every shipment before it leaves
- Linnea ensures that the raw material is of the highest possible quality

The production process is based on the synthesis of vincamine from tabersonine that is extracted from Voacanga Africana, a tropical, evergreen tree native to the West African rainforests

Voacanga africana

Technical Description

Name of the plant	Voacanga africana
Part of the plant used	Seeds
Chemical Names	Ethyl (13aS,13bS)-13a-ethyl-2,3,5,6,13a,13b-hexahydro-1H-indolo[3,2,1-de]pyrido[3,2,1-ij][1,5]naphthyridine-12-carboxylate; (3 α , 16 α)-Eburnamenine-14-carboxylic acid-ethyl-ester; 3 α , 16 α -apovincaminic acid ethyl ester
CAS number	42971-09-5
Molecular weight	350.45 g/mol
Appearance	White or slightly yellow crystalline powder
Solubility	Practically insoluble in water, soluble in methylene chloride, slightly soluble in anhydrous ethanol
Storage	Preserve in tight container, protected from light, heat and humidity



Analytical Description

Loss on drying	NMT 0.5%
Assay (HClO ₄ titration) (on dried substance)	Between 98.5% and 101.5%
Related substances: Impurity A; B; C	Complies
Unspecified impurities (each single impurity)	NMT 0.10%
Total	NMT 0.8%

Complies with the Eur. Ph. monograph "Vinpocetine" current edition

Discover Linnea's full range of Botanical Products:

 Butylscopolamine

 5-HTP

 Cannabis-Hemp

 Vinpocetine

 HMRLignan™

 Ginkgo biloba

 Vincamine

 Bilberry

 Red Clover

Linnea's Certificates



High level of compliance with GMPs in product manufacturing



Certificate of Suitability (CEP) released by EDQM

GMP compliance certified by



GMO free



Allergen, Gluten, Lactose, Melamine Free



Vegan certified



Kosher certified



Halal certified

No materials containing engineered nanomaterial are used in the manufacturing process and the product is not irradiated. The raw material, intermediates and auxiliary compounds are free from pesticides, dioxin and aflatoxins.

Manufactured by



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