Vincamine

Semi-Synthetic Derivative

Linnea

Natural Pharma Solutions

Vincamine

Vincamine

DMF

Semi-synthetic derivative of Voacanga africana seeds

Uses

Vincamine is an alkaloid with vasoactive properties that can improve the cerebral blood supply and has been used in the treatment of cerebrovascular disorders since the 1960s

It is the first natural ingredient that has been proven to actively **delay the effects of senile cognitive decline**

The principal causes of a progressive decline in brain functions are decreased cerebral blood flow, insufficient cerebral circulation, and a reduction in cerebral metabolism and oxygen utilization

Vincamine provides **a modulatory effect on the cerebral circulation and neuronal homeostasis**, that results in various degrees of anti-hypoxic and neuroprotective effects

Key

DMF Drug Master File available

Pharmaceutical (API)

Linnea Extracts

The philosophy of Excellence

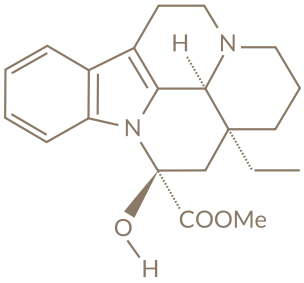
- **West African** specialized plantations
- **A selected network** of suppliers
- Controlled **harvesting**
- Linnea inspects every shipment before it leaves
- Linnea ensures that the raw material is of the highest possible quality

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	-(3α, 14β, 16α)-14,15-Dihydro-14-hydroxyeburnamenine-14-carboxylic acid methyl ester; -13a-ethyl-2,3,5,6,12,13,13a,13b-octahydro-12-hydroxy-1H-indolo[3,2,1-de]pyrido[3,2,1- ij][1,5]naphthyridine-12-carboxylic acid methyl ester
CAS number	1617-90-9
Molecular weight	354.44 g/mol
Appearance	White crystalline or microcrystalline powder, odorless
Solubility	Practically insoluble in water, soluble in chloroform
Storage	Preserve in tight container, protected from light, heat and humidity



Analytical Description

Loss on drying	NMT 0.5 %
Assay: perchloric acid titration (on dried substance)	Between 98.5 % and 101.5 %
Specific Optical Rotation (on dried substance)	Between +41.0 and +44.5
Related substances	HPLC
Impurity A; B; C; D Unspecified impurities (each) Total Sulphated ash	NMT 0.50 % NMT 0.10 % NMT 2.0 % NMT 0.2 %
Microbiology	2.6.12 Ph Eur, current edition

Discover Linnea's full range of Botanical Products:

- Butylscopolamine
- Vinpocetine
- Vincamine
- 5-HTP
- HMRlignan™
- Bilberry
- Cannabis-Hemp
- Ginkgo biloba
- Red Clover

Linnea's Certificates

Products GMP Certified – LINNEA QUALITY

High level of compliance with GMPs in product manufacturing

GMP compliance certified by swissmedic – Swiss Agency for Therapeutic Products

GMO Free – GMO free

Free – Allergen, Gluten, Lactose, Melamine Free

Vegan OK – Vegan certified

K LBD – Kosher certified

HALAL – 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

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