



# VINCAMINE (Ph.F)

**NAME OF THE PLANT:** Voacanga africana

**PART OF THE PLANT USED:** Seeds

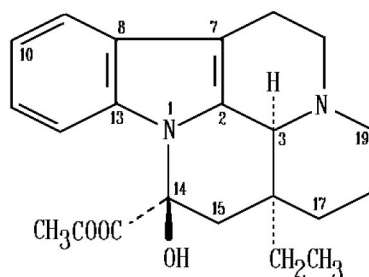
**FORMULA :**  $C_{21}H_{26}N_2O_3$

**IUPAC NAME :** (3  $\alpha$  , 14 $\beta$ , 16  $\alpha$ )-14,15-Dihydro-14-hydroxyeburnamenine-14-carboxylic acid methylester

**SYNONYMS:**

--

**STRUCTURAL FORMULA:**



**MOLECULAR WEIGHT:** 354.43

C.A.S. N:1617-90-9

## TECHNICAL DESCRIPTION:

**Appearance:** White microcrystalline powder

**Solubility:** Soluble in chloroform, slightly soluble in alcohol and in ether, practically insoluble in water

**Identification:** U.V. absorption spectrum  
I.R. absorption spectrum  
TLC

**specific optical rotation:** Between +39.0 and +43.5 (dry basis)

**U.V. extinction:** Between 231 and 255 (at 268 nm)

**Loss on drying:** Not more than 0.5%

**Sulphated ash:**

Not more than 0.2%

**Assay:**  
(perchloric. acid titr.)

Between 98.5% and 101.5% (dry basis)

**Impurities TLC :**  
Epivincamine:

Max. 2.0 %

**Others (each) :**

Max. 0.5 %

**Microbiology:**

Complies with EP

**Storage:** Sealed container and protected from light

**PRODUCT APPLICATIONS:** Vincamine is a vasodilator and anti-ischemic that increases blood flow to the brain. Vincamine is known primarily as a vasodilator and is in general use as a treatment for dementia.

**THERAPEUTIC CATEGORY:** Vasodilator, anti-ischemic, nootropic.