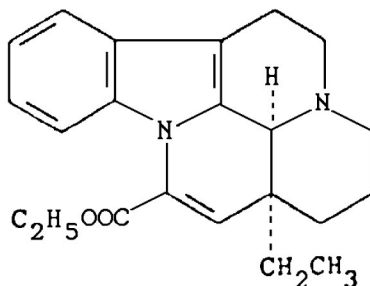




# VINPOCETINE (EP)

<b>FORMULA:</b>	C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>2</sub>
<b>IUPAC NAME:</b>	Eburnamenine-14-carboxylic acid ethylester
<b>SYNONYMS:</b>	Ethyl-apovincaminat; 3 α, 16 α -apovincaminic acid-ethyl-ester
<b>STRUCTURAL FORMULA:</b>	



MOLECULAR WEIGHT: 350.46

C.A.S.N:42971-09-5

<b>TECHNICAL DESCRIPTION:</b>		Heavy Metals:	Not more than 10 ppm
Appearance:	White to slightly yellow crystals, or crystalline powder, odourless	Sulphates:	Not more than 0.03 %
Solubility:	Practically insoluble in water, soluble in methylene chloride, slightly soluble in anhydrous ethanol	Assay:	
		Perchloric acid titration	Between 99.0 % and 101.0 %
		UV E 1% - 1 cm	Between 330 and 343
Melting point:	Between 150° and 153°C	Impurities (HPLC):	
		Apovincamine:	Max. 0.4 %
Identification:	IR	Related compound (total):	Max. 0.4 %
		-Methoxyvinpocetine:	Max. 0.1 %
Loss on drying:	Not more than 0.2 %	-Ethyl vincaminat:	Max. 0.2 %
		-Others:	Max. 0.1 %
Specific optical rotation:		Microbiology:	Complies with EP
	Between + 127 and + 134		
Sulphated ash:	Not more than 0.1 %	Storage:	Sealed container and protected from light

**PRODUCT APPLICATIONS:** Vinpocetine is a vasodilator and anti-ischemic that increases blood flow to the brain. It is used primarily as a treatment for dementia and as a nootropic or “smart drug”.

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