

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	28205
<b>Lot Number</b>	002084-131215
<b>Product</b>	<b>Vinpocetine</b> (3A,16a)-Eburnamenine-14-carboxylic acid ethyl ester
<b>CAS Number</b>	42971-09-5
<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

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<b>Appearance</b>	White or slightly yellow crystalline powder
<b>Solubility</b>	Practically insoluble in water, soluble in methylene chloride, slightly soluble in anhydrous ethanol.
<b>Optical Rotation</b>	$[\alpha]_{D}^{20} = 129.2^{\circ}$
<b>Loss on Drying</b>	0.12%
<b>Related Substances</b>	Impurity A: 0.02%, Impurity B: 0.05%, Impurity C: Not detectable, Impurity D: Not detectable Unspecified Impurity: 0.04% Total Impurity: 0.12%
<b>Sulfated Ash</b>	0.06%
<b>Assay</b>	99.5% (on dry basis)
<b>Storage</b>	Store at 0-8°C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager