

Catalog	Unit
TBI1126 -20MG	20 mg
TBI1126 -100MG	100 mg

Product Details

Formal Name: (3 α ,16 α)-Eburnamenine-14-carboxylic acid ethyl ester.

Molecular Formula: C₂₂H₂₆N₂O₂.

Formula Weight: 350.45

CAS Number: 42971-09-5

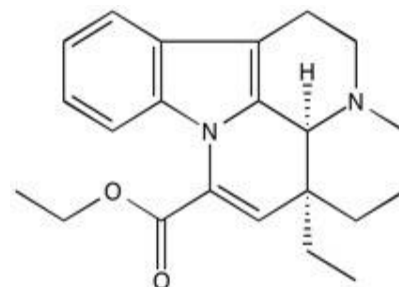
Purity: \geq 98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 5 mg/ml), in Ethanol (up to 15 mg/ml) or in DMF (up to 3 mg/ml with warming).

Storage: Room Temperature.

Stability: \geq 2 years.



Applications

Phosphodiesterase 1 (PDE1).

Functions

Vinpocetine is a phosphodiesterase PDE1 inhibitor (IC₅₀=21 μ M)¹. It also blocks voltage-gated Na⁺ channels, IC₅₀=44.2 μ M (potency like phenytoin), a mechanism which may contribute to its neuroprotective and anticonvulsant activity. Vinpocetine reduces inflammatory IL-1 β and TNF- α expression in rat hippocampus. It displays beneficial effects in a rat model of cerebral ischemia-reperfusion injury. Vinpocetine exerts neuroprotective effects by suppressing microglial inflammation.

Application Procedures

Soluble in DMSO (up to 5 mg/ml), in Ethanol (up to 15 mg/ml) or in DMF (up to 3 mg/ml with warming).

Relative Products

TBI2438	EHNA Hydrochloride, PDE2 and ADA Inhibitor
TBI1220	Anagrelide HCl, PDE3 Inhibitor
TBI12218	Sildenafil Citrate, PDE5 Inhibitor
TBI1008	IBMX, PDE Inhibitor
TBI1408	BC-11-38, PDE11 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor

For research use only.