



Formula: C₂₂H₂₆N₂O₂

MW: 350.46

CAS: 42971-09-5

TNP NUMBER: TNP00160

MDL NUMBER: MFCD02114513

Smiles: c1ccc2c(c1)c1c3[C@H]4(N(CC1)CCC[C]4(C=C(n23)C(=O)OCC)CC)

THERAPEUTIC CATEGORY: Vasodilator

SOURCE: Derivative of vincamine - major indole alkaloid of *Vinca minor* L., Apocynaceae

ACCEPTORS: 2

DONORS: 0

ROTATION BONDS: 3

N+O: 4

Chiral Centers: 2

LogP: 6.37

LogS: -5.67

LIPINSKI: 3

Synonyms: 3A,16A-APOVINCAMINIC ACID ETHYL
ESTER;(3A,16A)-EBURNAMENINE-14-CARBOXYLIC ACID ETHYL
ESTER;CAVINTON;ETHYL
APOVINCAMIN-22-OATE;EBURNAMENINE;EBURNAMENINE-14-CARBOXYLIC ACID
ETHYL ESTER;RGH-4405;VINPOCETIN

CAS:42971-09-5

MF:C22H26N2O2

MW:350.45

EINECS:256-028-0

Product Categories:Active Pharmaceutical Ingredients;All Inhibitors;Inhibitors;Intermediates &
Fine Chemicals;Pharmaceuticals;Cyclic Nucleotide related Vinpocetine

Chemical Properties: mp 147-153 C dec. storage temp. Store at RT solubility DMSO: 5 mg/mL
form solid color white NIST Chemistry ReferenceVinpocetine(42971-09-5) Xn Risk Statements
22 Safety Statements 36 WGK Germany 3 RTECS JW4792000 Ethyl
(3alpha,16alpha)-eburnamenine-14-carboxylate Vinpocetine

Usage And Synthesis:

Chemical Properties: White Crystalline Solid UsageA calcium/calmodulin-dependent
phosphodiesterase 1 (PDE1) inhibitor Biological ActivityPhosphodiesterase inhibitor, selective
for PDE1 (IC 50 = 21 u M). Also blocks voltage-gated Na + channels. Vinpocetine

