

Catalog	Unit
TBI3001-50MG	50 mg
TBI3001-250MG	250 mg

Product Details

Formal Name: (2S,3R,11bS)-3-ethyl-1,3,4,6,7,11b-hexahydro-9,10-dimethoxy-2-[[[(1R)-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]methyl]-2H-benzo[a]quinolizine, dihydrochloride, hydrate

Molecular Formula: C₂₉H₄₀N₂O₄ • 2HCl [XH₂O]

Formula Weight: 553.6

CAS Number: 483-18-1

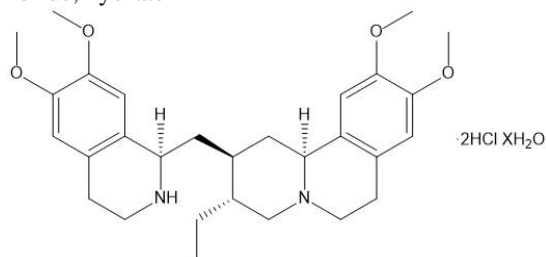
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (up to 100 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Protein synthesis inhibitor; Antiparasitic, antiviral

Functions

One of the active ingredients of ipecac root extract, used as an emetic. Induces apoptosis in breast cancer cells via inhibition of Wnt/ β -catenin signaling. Inhibits Zika and Ebola virus in vitro and in vivo, targeting viral entry and replication by inhibiting viral RNA polymerase and host lysosomal function. Also inhibits SARS-CoV-2 replication in cells (EC₅₀ for viral load reduction is 0.46 μ M). A useful agent for inhibiting protein synthesis in eukaryotic cells by virtue of its inhibition of the ribosome 40S subunit.

Application Procedures

First dissolved in Water (up to 100 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for up to 3 months.

For research use only.