

Catalog	Unit
TBI5074-50MG	50 mg
TBI5074-250MG	250 mg

Product Details

Formal Name: 2,3,13,14,14aS,15,26,26aR-octahydro-22,30-dimethoxy-1,14-dimethyl-1H-4,6:16,19-dietheno-21,25-metheno-12H-[1,3]dioxolo[4,5-g]pyrido[2',3':17,18][1,10]dioxacycloeicosino[2,3,4-ij]isoquinoline

Alternate Names: O-Methylcepharanoline; NSC 623442

Molecular Formula: C₃₇H₃₈N₂O₆

Formula Weight: 606.70

CAS Number: 481-49-2

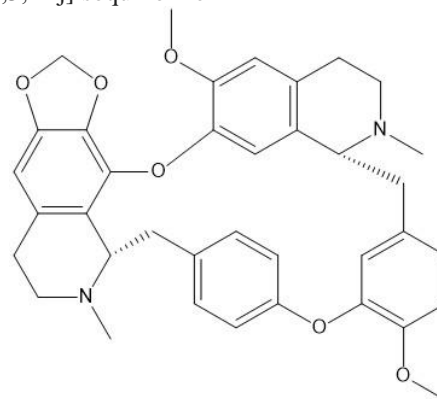
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Antiinflammatory natural product; Antioxidant

Functions

A naturally occurring alkaloid from *Stephania cepharantha* Hayata which possesses a number of pharmacological activities. Attenuates LPS-induced expression of TNF- α , IL-6 and IL-1 β in macrophages and inhibits NF- κ B activation. Induces mitophagy possibly by acting at GPR30 in hepatocellular carcinoma. Inhibits autophagosome-lysosome fusion and autophagy by downregulation of MYO1C an actin-based motor protein. Potently inhibits replication of SARS CoV-2 and homologous viruses.

Application Procedures

First dissolved in DMSO (up to at least 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.