

Certificate of Analysis

PRODUCT:	Emetine (Hydrochloride) [(2S,3R,11bS)-3-ethyl-1,3,4,6,7,11b-hexahydro-9,10-dimethoxy-2-2[[[(1R)-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinoliny]methyl]-2H-benzo[a]quinolizine, dihydrochloride C ₂₉ H ₄₀ N ₂ O ₄ • 2HCl, M.W. 553.6, CAS [316-42-7]
PRODUCT NUMBER:	E-2304
LOT NUMBER:	L1132
SOLUBILITY:	Soluble in Water at 100 mg/mL
LOSS ON DRYING:	≤ 19.0%
APPEARANCE:	A White to Off – White crystalline solid.
PURITY(HPLC):	≥ 98%
DESCRIPTION:	Emetine is the principal alkaloid produced by the ipecac root. It has antiprotozoal properties and induces emetic activity. Emetine inhibits protein synthesis in eukaryotic cells, but not prokaryotic cells, by binding to the 40S subunit of the ribosome. Additionally, it is reported to be cytotoxic to cervical cancer cells, inhibiting both NF-κB signaling and IκBα phosphorylation, as well as inducing caspase 3/7 activity.
STORAGE & HANDLING:	Store desiccated at -20°C.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: SK