

Emetine dihydrochloride

Cat. No. CEI-0635

Lot. No. (See product label)

Introduction

Description A bitter-tasting crystalline alkaloid, derived from ipecac root and used in the treatment of amebiasis and as an emetic. Irreversibly blocks protein synthesis by inhibiting the movement of ribosome along the mRNA. Induces hypotension by blocking adrenoreceptors. Inhibits DNA replication in the early S phase. Inhibits HIF-1 activation by hypoxia. Induces apoptosis in leukemia cells. Also, selectively inhibits multiple glioblastoma (GBM) stem cells-enriched cultures.

Product Information

Appearance White solid

CAS No. 316-42-7

Molecular Formula $C_{29}H_{40}N_2O_4 \cdot 2HCl$

Chemical Name 2S,3R,11bS)-2-{[(1R)-6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinolin-1-yl]methyl}-3-ethyl-9,10-dimethoxy-2,3,4,6,7,11b-hexahydro-1H-pyrido[2,1-a]isoquinoline

Molecular Weight 635.51

Purity >98% by HPLC

Targets Protein Synthesis

Solubility Water (>10 mg/ml)

Storage and Shipping Information

Storage +4 centigrade

Shipping Conditions RT