

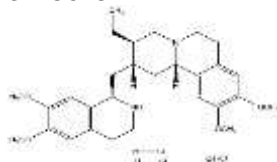
Emetine dihydrochloride hydrate

ALTERNATE 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-benzo[a]quinolizine, dihydrochloride, hydrate
Emetine hydrochloride hydrate

CATALOG #: B2339-250
B2339-50

AMOUNT: 250 mg
50 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{29}H_{40}N_2O_4 \cdot 2HCl \cdot xH_2O$

MOLECULAR WEIGHT: 553.56 (anhydrous basis)

CAS NUMBER: 7083-71-8

APPEARANCE: White to off-white solid

PURITY: $\geq 98\%$ by HPLC

SOLUBILITY: >100 mg/ml (H_2O)

REFERENCES: Visnyei, K., et al. (2011). Mol. Cancer Ther. 10, 1818-1828.

DESCRIPTION: An alkaloid derived from ipecac root. 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.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Clindamycin hydrochloride (2627)
 EZSolution Puromycin Dihydrochloride (1861)
 Emetine dihydrochloride (1970)
 6-Azauridine (B1024)
 Streptomycin Sulfate (2517)
 Cycloheximide (1041)
 Puromycin dihydrochloride (1860)
 G418 Sulfate (1557)
 Kanamycin Sulfate (2498)
 Anisomycin (1549)
 Blastidicin S Hydrochloride (1859)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*