

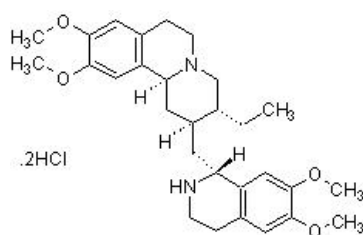
Product datasheet

Emetine dihydrochloride, Protein synthesis inhibitor

ab141478

Overview

Product name	Emetine dihydrochloride, Protein synthesis inhibitor
Description	Ipecac alkaloid. Protein synthesis inhibitor
Biological description	Ipecac alkaloid. Irreversible protein synthesis inhibitor. Binds to 40s ribosomal subunit to inhibit translocation.
Purity	> 98%
CAS Number	316-42-7
Chemical structure	



Properties

Chemical name	(2 <i>S</i> ,3 <i>R</i> ,11 <i>bS</i>)-2-[[<i>(1R)</i> -6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinolin-1-yl]methyl]-3-ethyl-9,10-dimethoxy-2,3,4,6,7,11 <i>b</i> -hexahydro-1 <i>H</i> -benzo[<i>a</i>]quinolizidine dihydrochloride
Molecular weight	553.56
Molecular formula	C ₂₉ H ₄₀ N ₂ O ₄ ·2HCl
PubChem identifier	3068143
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

SMILES	<chem>CCC1CN2CCC3=CC(=C(C=C3C2CC1CC4C5=CC(=C(C=C5CCN4)OC)OC)OC)OC.Cl.Cl</chem>
Source	Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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