

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB7389	 HCl HCl
Compound name	Emetine dihydrochloride	
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 dihydrochloride hydrate	
Batch number	E1366-1-1	
Batch molecular formula	C <sub>29</sub> H <sub>40</sub> N <sub>2</sub> O <sub>4</sub> ·2HCl·2.5H <sub>2</sub> O	
Batch molecular weight	598.61	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	<sup>1</sup> H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water	Meets specification

Produced by

Signature

Passed by

Signature

Date

24/07/2020

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.