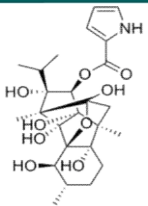


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1320	
Compound name	Ryanodine	
Chemical name	1H-Pyrrole-2-carboxylic acid, (3S,4R,4aR,6S,7S,8R,8aS,8bR,9S,9aS) - dodecahydro-4,6,7,8a,8b,9a-hexahydroxy-3,6a,9-tri methyl-7-(1-methylethyl)-6,9-methanobenzo[1,2]pentaleno[1,6-bc]furan-8-yl ester	
Batch number	E1983-1-1	
Batch molecular formula	C ₂₅ H ₃₅ NO ₉	
Batch molecular weight	493.55	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.3%
NMR	¹ H NMR in MeOD at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive/negative analysis consistent with structure	Meets specification
Solubility	Soluble in DMSO	Meets specification

Produced by

Signature

Passed by

Signature

Date

12-05-22

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