

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2134	
Compound name	Istradefylline	
Chemical name	(E)-8-(3,4-Dimethoxystyryl)-1,3-diethyl-7-methyl-1H-purine-2,6(3H,7H)-dione	
Batch number	E1652-1-1	
Batch molecular formula	C ₂₀ H ₂₄ N ₄ O ₄	
Batch molecular weight	384.43	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis shows molecular ion	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 DMSO (20 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

25-08-21

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