

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6070	
Compound name	Ritonavir	
Chemical name	5-Thiazolymethyl (3S,4S,6S,9S)-4-hydroxy-12-methyl-9-(1-methylethyl)-13-[2-(1-methylethyl)-4-thiazolyl]-8,11-dioxo-3,6-bis(phenylmethyl)-2,7,10,12-tetraazatridecanoate	
Batch number	E1346-1-1	
Batch molecular formula	C ₃₇ H ₄₈ N ₆ O ₅ S ₂	
Batch molecular weight	720.94	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in MeOD 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
TLC	TLC analysis in 5% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.3
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

23-06-20

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