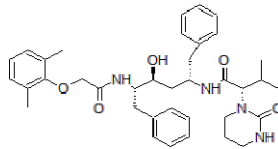


# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB7108	
Compound name	Lopinavir	
Chemical name	(αS)-N-[(1S,3S,4S)-4-[[2-(2,6-Dimethylphenoxy)acetyl]amino]-3-hydroxy-5-phenyl-1-(phenylmethyl)pentyl]tetrahydro-α-(1-methylethyl)-2-oxo-1(2H)-pyrimidineacetamide	
Batch number	E1356-1-1	
Batch molecular formula	C <sub>37</sub> H <sub>48</sub> N <sub>4</sub> O <sub>5</sub> ·0.6H <sub>2</sub> O	
Batch molecular weight	639.62	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.3%
NMR	<sup>1</sup> H NMR in DMSO 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 <sub>f</sub> =0.8
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

30-06-20

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