

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4443	
Compound name	Linezolid	
Chemical name	N-[[[(5S)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]-acetamide	
Batch number	E1382-1-1	
Batch molecular formula	C ₁₆ H ₂₀ FN ₃ O ₄	
Batch molecular weight	337.35	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.7%
NMR	¹ 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
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (25 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

28-09-20

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