

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1351	
Compound name	A 769662	
Chemical name	6,7-Dihydro-4-hydroxy-3-(2'-hydroxy[1,1'-biphenyl]-4-yl)-6-oxo-thieno[2,3-b]pyridine-5-carbonitrile	
Batch number	E2278-1-1	
Batch molecular formula	C ₂₀ H ₁₂ N ₂ O ₃ S.0.6H ₂ O	
Batch molecular weight	371.20	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.9%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 45% MeOH/CHCl ₃ shows one spot under uv	Meets specification: R _f =0.5
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (30 mg/ml) and in ethanol (5 mg/ml with warming)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

12/06/2023

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