

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1557	 2-[(3-Fluorophenyl)ethynyl]-4,6-dimethyl-3-pyridinamine hydrochloride <chem>Cc1c(C)c(C#Cc2cc(F)cc2)n(C)c1</chem> HCl
Compound name	Raseglurant (ADX 10059 hydrochloride)	
Chemical name	2-[(3-Fluorophenyl)ethynyl]-4,6-dimethyl-3-pyridinamine hydrochloride	
Batch number	E2147-3-1	
Batch molecular formula	C ₁₅ H ₁₃ N ₂ F.HCl	
Batch molecular weight	276.74	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in D ₂ O 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 =0.5
Physical appearance	Yellow to brown solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

04/04/2023

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