

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2841	
Compound name	PEAQX (NVP-AAM 077)	
Chemical name	[[[(1S)-1-(4-Bromophenyl)ethyl]amino][(1,2,3,4-tetrahydro-2,3-dioxo-5-quinoxaliny)methyl] phosphonic acid tetrasodium salt	
Batch number	E2237-1-2	
Batch molecular formula	C ₁₇ H ₁₃ BrN ₃ Na ₄ O ₅ P·4.5H ₂ O	
Batch molecular weight	623.21	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.5%
NMR	¹ H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative 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: Off-white solid
Solubility	Soluble in water (10 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

26/07/2023

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