

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0355	
Compound name	Kainic acid	
Chemical name	(2S,3S,4S)-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic acid	
Batch number	E1593-2-3	
Batch molecular formula	C <sub>10</sub> H <sub>13</sub> NO <sub>4</sub> ·0.2H <sub>2</sub> O	
Batch molecular weight	216.84	
Method	QC requirement	QC Result
HPLC	Chiral HPLC shows >98% purity	Meets specification: 99.7%
NMR	<sup>1</sup> H NMR in D <sub>2</sub> O 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 40% PAW/BuOH shows one spot under ninhydrin	Meets specification: R <sub>f</sub> =0.55
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (25 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

30-03-22

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