

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0246	
Compound name	Dihydrokainic acid	
Chemical name	(2S,3S,4R)-2-Carboxy-4-isopropyl-3-pyrrolidineacetic acid	
Batch number	E2086-1-3	
Batch molecular formula	C ₁₀ H ₁₇ NO ₄ ·0.7H ₂ O	
Batch molecular weight	227.86	
Method	QC requirement	QC Result
NMR	1H 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 40% PAW/BuOH shows one spot under ninhydrin	Meets specification: R _f =0.55
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (25 mM, warming)	Meets specification

Produced by

Signature

Passed by

Signature

Date

28/09/2022

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