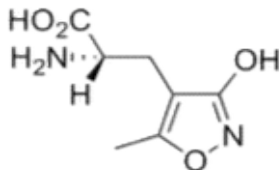


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0052	
Compound name	S-AMPA	
Chemical name	(S)- α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid	
Batch number	E1445-40-14	
Batch molecular formula	$C_7H_{10}N_2O_4 \cdot 0.7H_2O$	
Batch molecular weight	198.78	
Method	QC requirement	QC Result
HPLC	Chiral HPLC shows >99% purity	Meets specification: 99.9%
NMR	1H NMR in D_2O 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
TLC	TLC analysis in 50% PAW/BuOH shows one spot under ninhydrin	Meets specification: $R_f=0.4$
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-03-22

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