

Certificate of Analysis

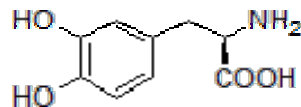


Product Identification

Catalog number HB1925
Compound name L-DOPA
Chemical name L-3,4-Dihydroxyphenylalanine

Batch number E1428-1-1
Batch molecular formula $C_9H_{11}NO_4$
Batch molecular weight 197.19

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.2%
NMR	¹ H NMR in DMSO 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 2:1 PAW/BuOH shows one spot under uv	Meets specification: R _f =0.4
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in 0.05M HCl (50 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

14-10-20

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