

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB5354	
Compound name	L-DOPA Methyl ester	
Chemical name	Methyl (2S)-2-amino-3-(3,4-dihydroxyphenyl)propanoate hydrochloride	
Batch number	E1943-1-1	
Batch molecular formula	C ₁₀ H ₁₃ NO ₄ ·HCl	
Batch molecular weight	247.68	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	1H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis shows molecular ion	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 =0.7
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

11-04-22

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