

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0045	
Compound name	(S)-DHPG	
Chemical name	(S)-3,5-Dihydroxyphenylglycine	
Batch number	E2111-1-8	
Batch molecular formula	C <sub>9</sub> H <sub>9</sub> NO <sub>4</sub> ·0.5H <sub>2</sub> O	
Batch molecular weight	192.17	
Method	QC requirement	QC Result
HPLC	Chiral HPLC shows >99% purity	Meets specification: 99.0%
NMR	<sup>1</sup> H NMR in D <sub>2</sub> 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 1:1 PAW:BuOH shows one spot using ninhydrin	Meets specification: R <sub>f</sub> =0.2
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (50 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

17/01/2023

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