

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0026	
Compound name	(R,S)-3,5-DHPG	
Chemical name	(R,S)-3,5-Dihydroxyphenylglycine	
Batch number	E0405-3-5	
Batch molecular formula	C ₈ H ₉ NO ₄ ·1.25H ₂ O	
Batch molecular weight	205.68	
Method	QC requirement	QC Result
HPLC	HPLC shows more than 99% purity by chiral analysis	Meets specification: >99% by HPLC
NMR	400MHz ¹ H spectrum in D ₂ O confirms structure and shows <1% of any other impurity	Meets specification
Mass spectrum	Electrospray positive analysis shows mass ion corresponding to [M+Na] ⁺	Meets specification: Mass ion: 206.1
Microanalysis	Elemental analysis is within 0.4 of expected result for each element tested	Meets specification: analysis fits for batch molecular formula
TLC	Analysis using a solvent ratio of 2:3 PAW/BuOH shows a single spot (visualised by ninhydrin)	Meets specification: R _f =0.3
Physical appearance	White to Off-white solid	Meets specification: White Solid
Solubility	Soluble in water to 10 mM	Meets specification

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date 23-02-16

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