

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0217	
Compound name	CPPG	
Chemical name	(RS)- α -Cyclopropyl-4-phosphonophenyl glycine	
Batch number	E1961-1-1	
Batch molecular formula	$C_{11}H_{14}NPO_5 \cdot 0.25H_2O$	
Batch molecular weight	275.71	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.0%
NMR	1H NMR in D_2O at 300 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 75% PAW/BuOH shows one spot under ninhydrin	Meets specification: $R_f=0.39$
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water with 1eq NaOH (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

22-04-22

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