

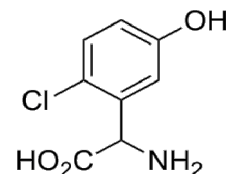
Certificate of Analysis



Product Identification

Catalog number	HB0033
Compound name	(RS)-CHPG
Chemical name	(R,S)-2,5-chlorohydroxyphenylglycine
Batch number	E0455-4-3
Batch molecular formula	C ₈ H ₈ ClNO ₃
Batch molecular weight	201.61

Chemical Structure



Method	QC requirement	QC Result
HPLC	HPLC shows more than 98% purity by chiral analysis	Meets specification: >99% by HPLC
NMR	300MHz 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: 224
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 UV)	Meets specification: R _f =0.45
Physical appearance	Off-White to pale yellow solid	Meets specification: cream solid Solid
Solubility	Soluble in 1N NaOH to 100 mM	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Romme

Signature

Date

10-10-16

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