

Certificate of Analysis

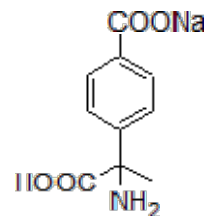


Product Identification

Catalog number HB0038
Compound name RS-MCPG Sodium Salt
Chemical name (RS)- α -Methyl-4-carboxyphenylglycine monosodium salt

Batch number E0619-1-1
Batch molecular formula C₁₀H₁₀NO₄Na.1.1H₂O
Batch molecular weight 251.00

Chemical Structure



Method	QC requirement	QC Result
HPLC NMR	Chiral HPLC shows >98% purity as two isomers 1H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification: 99% Meets specification
Mass spectrum	Electrospray negative 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 under ninhydrin	Meets specification: R _f =0.4
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

25-04-17

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