

Certificate of Analysis

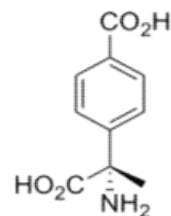


Product Identification

Catalog number HB0056
Compound name S-MCPG
Chemical name (S)- α -Methyl-4-carboxyphenylglycine

Batch number E0611-1-2
Batch molecular formula $C_{10}H_{11}NO_4$
Batch molecular weight 209.20

Chemical Structure



Method

QC requirement

QC Result

| | | |
|----------------------------|---|--|
| HPLC | Chiral HPLC shows >99% purity | Meets specification: 100% |
| NMR | ¹ H NMR in D ₂ O at 400 MHz consistent with structure and shows <1% of any impurity | 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 under ninhydrin | Meets specification: R _f =0.5 |
| Physical appearance | White to off-white solid | Meets specification: White solid |
| Solubility | Soluble in 0.1M NaOH (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.