

Certificate of Analysis

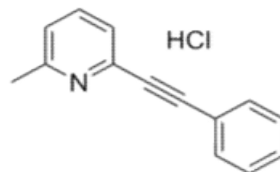


Product Identification

Catalog number HB0426
Compound name MPEP hydrochloride
Chemical name 2-Methyl-6-(phenylethynyl)pyridine hydrochloride

Batch number E0365-7-4
Batch molecular formula C₁₄H₁₁N.HCl
Batch molecular weight 229.71

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	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 33% Et ₂ O/hexane shows one spot under uv	Meets specification: R _f =0.37
Physical appearance	White to off-white solid	Meets specification: White Solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (100 mM)	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

10-11-16

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