

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2142	
Compound name	Citalopram hydrobromide	
Chemical name	1-[3-(dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-5-isobenzofurancarbone nitril e hydrobromide	
Batch number	E1810-1-1	
Batch molecular formula	C ₂₀ H ₂₁ N ₂ OF.HBr	
Batch molecular weight	405.31	
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
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in ethanol (50 mM with gentle warming) and in water (10 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

24-11-21

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