

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2554	
Compound name	Pioglitazone hydrochloride	
Chemical name	5-[[4-[2-(5-Ethyl-2-pyridinyl)-ethoxy]phenyl]methyl]-2,4-thiazolidinedione hydrochloride	
Batch number	E1094-1-1	
Batch molecular formula	C ₁₉ H ₂₀ N ₂ O ₃ S.HCl	
Batch molecular weight	392.90	
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 DMSO (25 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

01-06-19

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