

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1943	
Compound name	Imatinib mesylate	
Chemical name	4-[[4-(4-Methyl-1-piperazinyl)methyl]methyl]-N-[[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]phenyl]benzamide methanesulfonate	
Batch number	E1380-1-1	
Batch molecular formula	C ₂₉ H ₃₁ N ₇ O ₄ .CH ₄ O ₃ S.0.2H ₂ O	
Batch molecular weight	593.31	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	1H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive/negative 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 water (100 mM) and in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-10-20

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