

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2800	
Compound name	Dorsomorphin dihydrochloride	
Chemical name	6-[4-[2-(1-piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl)-pyrazolo[1,5-a]pyrimidine dihydrochloride	
Batch number	E0816-1-1	
Batch molecular formula	C ₂₄ H ₂₉ N ₅ O ₂ ·2HCl·1.7H ₂ O	
Batch molecular weight	503.04	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.0%
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 20% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.5
Physical appearance	Yellow to pale yellow solid	Meets specification: Yellow solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

15-06-18

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