## **Certificate of Analysis**



## **Product Identification**

Catalog number

HB2800

Compound name Dorsomorphin dihydrochloride

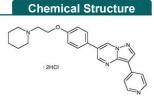
Chemical name 6-[4-[2-(1-Piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl)-pyrazolo[1,5-

a]pyrimidine dihydrochloride

Batch number

C<sub>24</sub>H<sub>25</sub>N<sub>5</sub>O.2HCl.1.7H<sub>2</sub>O 503.04 Batch molecular formula

Batch molecular weight



Method	QC requirement	QC Result
HPLC NMR	Reverse Phase HPLC shows >98% purity 1H NMR in DMSO at 400 MHz consistent with structure	Meets specification: 99.0% 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 <sub>f</sub> =0.5
Physical appearance	Yellow to pale yellow solid	Meets specification: Yellow solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Passed by

Signature

Signature

Date

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