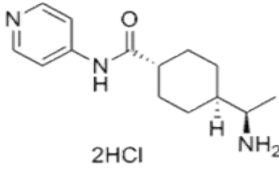


# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2297	
Compound name	Y27632	
Chemical name	<i>trans</i> -4-[(1 <i>R</i> )-1-Aminoethyl]-N-4-pyridinylcyclohexanecarboxamide dihydrochloride	
Batch number	E2320-6-5	
Batch molecular formula	C <sub>14</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub> ·2HCl·0.6H <sub>2</sub> O	
Batch molecular weight	331.07	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
Optical purity	Chiral HPLC analysis shows >98% enantiomeric excess	Meets specification: 99.2%ee
NMR	<sup>1</sup> H NMR in D <sub>2</sub> O 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 50% PAW/BuOH shows one spot under ninhydrin	Meets specification: R <sub>f</sub> =0.45
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

04/10/2022

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