

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-17 13:31:47

Date of Next Testing: 2025-08-16 13:31:47

Product Name: **Ivabradine HCl**

CAS Number: 148849-67-6

Specifications & Purity: $\geq 98\%$

Lot #: K2112182

SKU #: **I129899**Version: **1**Analysis #: **265244**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.52200 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMSO})$	6-8.5 (°)	7.38700 °
Appearance (i129899)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager