

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-24 15:16:37

Date of Next Testing: 2026-05-23 15:16:37

Product Name: (11bR)-2,6-Di-9-phenanthrenyl-4-hydroxy-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphopin

CAS Number: 864943-22-6

Specifications & Purity: ≥98%, ≥99%(ee)

Lot #: E2316288

SKU #: B300911

Version: 1

Analysis #: 202270

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.26300 %
Enantiomeric Excess	99-100 (%)	99.10000 %
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager