

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-19 11:00:00

Date of Next Testing: 2027-09-19 11:00:00

Product Name: (R)-(-)-1-[(S)-2-[Bis(3,5-difluoromethylphenyl)phosphino]ferrocenyl]ethylidicyclohexylphosphine

CAS Number: 292638-88-1

Specifications & Purity: ≥97%

Lot #: C2215582

SKU #: R396573

Version: 1

Analysis #: 573917

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.00000 %
Enantiomeric Excess	99-100 (%)	99.49800 %
Appearance (R396573)	Faint Orange to Very Dark Orange powder or Crystals	Faint Orange to Very Dark Orange powder or Crystals
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager