

Certificate of Analysis

Date of Testing: 2023-10-30 15:18:03

Date of Next Testing: 2026-10-29 15:18:03

Product Name: **1-(11bS)-Dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphopin-4-ylpiperidine**

CAS Number: 284472-79-3

Specifications & Purity: 96%

Lot #: J2325229

SKU #: **S281988**

Analysis: **270139**

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

Parameter	Limit Values	Result
Purity(As C)	96-100 (%)	96.53 %
Enantiomeric Excess	98-100 (%)	99.87800 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager