

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-20 14:31:53

Date of Next Testing: 2030-05-19 14:31:53

Product Name: (R)-(-)-DBD-Py-NCS [= (R)-(-)-4-(N,N-Dimethylaminosulfonyl)-7-(3-isothiocyanatopyrrolidin-1-yl)-2,1,3-benzoxadiazole] [for HPLC Labeling]

CAS Number: 163927-31-9

Specifications & Purity: ≥98%(HPLC)

Lot #: G2228088

SKU #: R160963

Version: 1

Analysis #: 708330

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.89000 %
Specific rotation [α] ₂₀ /D(C=0.4, CH ₃ CN)	-290--280 (°)	-289.19800 °
Appearance(R160963)	Light yellow to Reddish yellow to Brown powder to crystal	Light yellow to Reddish yellow to Brown powder to crystal
Effect test of HPLC derivatization	Effective as labeling agent for DL-Phenylalanine	Effective as labeling agent for DL-Phenylalanine
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager