

Certificate of Analysis

Date of Testing: 2022-08-03 10:39:52

Date of Next Testing: 2026-08-02 10:39:52

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: >98.0%(HPLC)

Lot #: G2228089

SKU #: R160963

Analysis: 107025

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.90000 %
Specific rotation [α] ₂₀ /D(C=0.4, CH ₃ CN)	-290- -280 (°)	-289.20000 °
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
Appearance(R160963)	Light yellow to Reddish yellow to Brown powder to crystal	Light yellow to Reddish yellow to Brown powder to crystal



John Su
QA & QC Manager