

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-19 14:59:25

Date of Next Testing: 2029-04-18 14:59:25

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: $\geq 98\%$ (HPLC)

Lot #: D2516213

SKU #: Y28070

Version: 0

Analysis #: 503678

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.00000 %
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(Y28070)	Light yellow to Reddish yellow to Brown powder to crystal	Light yellow to Reddish yellow to Brown powder to crystal

Quality Assurance : Xiaoyong Tan

Quality Control : Yunlei Zhu

