

Certificate of Analysis

Date of Testing: 2022-11-01 17:05:46

Date of Next Testing: 2026-10-31 17:05:46

Product Name: (R)-(-)-DBD-APy [(R)-(-)-4-(N,N-Dimethylaminosulfonyl)-7-(3-aminopyrrolidin-1-yl)-2,1,3-benzoxadiazole] [HPLC Labeling Reagent for e.e. Determination]

CAS Number: 143112-49-6

Specifications & Purity: >98.0%(HPLC)

Lot #: J2221711

SKU #: R160932

Analysis: 131360

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.60000 %
Optical purity(LC)	99-100 (%)	100.00 %
Melting point	126-135 (°C)	129.30000 °C
Specific rotation [α] ₂₀ /D(C=1,CH ₃ CN) -7~-3 (°)		-3.80000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Effect test of HPLC derivatization	Effective as labeling agent fo Ibuprofen	Effective as labeling agent fo Ibuprofen
Appearance(R160932)	Light yellow to Brown powder to crystal	Light yellow to Brown powder to crystal



John Su
QA & QC Manager