

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-08 16:12:42
 Date of Next Testing: 2027-02-07 16:12:42
 Product Name: **Z-D-Tyt(tBu)-OH.DCHA**
 CAS Number: 198828-72-7
 Specifications & Purity: $\geq 98\%$
 Lot #: E2309032
 SKU #: **Z116902**
 Version: **0**
 Analysis #: **184783**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-36--32 (°)	-35.00000 °
Melting point	155-165 (°C)	160.10000 °C
Purity(HPLC)	98-100 (%)	99.00000 %
Appearance (Z116902)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager