

Certificate of Analysis

Date of Testing: 2024-12-05 14:04:08

Date of Next Testing: 2028-12-04 14:04:08

Product Name: **2-Deoxy-2,2-difluoro-D-erythro-pentonic Acid γ -Lactone 3,5-Dibenzoate**

CAS Number: 122111-01-7

Specifications & Purity: $\geq 98\%$

Lot #: L2404051

SKU #: **D123989**

Version: **0**

Analysis #: **437419**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } \text{CH}_3\text{CN})$	69-73 ($^{\circ}$)	71.40 $^{\circ}$
Melting point	112-125 ($^{\circ}\text{C}$)	122.37000 $^{\circ}\text{C}$
Purity(HPLC)	98-100 (%)	99.16600 %
Appearance (D123989)	White to Almost white to brown solid	White to Almost white to brown solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager