

Certificate of Analysis

Date of Testing: 2025-06-16 16:06:53

Date of Next Testing: 2027-06-06 16:06:53

Product Name: **5-Bromo-2'-deoxyuridine**

CAS Number: 59-14-3

Specifications & Purity: $\geq 99\%$

Lot #: F2509101

SKU #: **B110731**

Version: **0**

Analysis #: **531055**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	20-24 ($^{\circ}$)	23.53 $^{\circ}$
EmM at pH 1.0 at wavelength 279 - 280 nm	8.9-9.2	9.08
Purity(HPLC)	99-100 (%)	99.77300 %
Appearance (B110731)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO , Colorless to Very Faint Yellow, Clear, 50 mg/mL	Conforms	Conforms



John Su
QA & QC Manager