

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-08-14 13:28:09
Date of Next Testing:	2027-08-13 13:28:09
Product Name:	<b>5-Fluoro-2'-deoxyuridine</b>
CAS Number:	50-91-9
Specifications & Purity:	Moligand™, ≥99%
Lot #:	H2309323
SKU #	<b>F110732</b>
Version	<b>0</b>
Analysis #:	<b>254370</b>
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Wave Length	268-270 (nm)	269.52 nm
EmM	8.6-8.9	8.73
Purity(HPLC)	99-100 (%)	99.80900 %
Melting point	145-153 (°C)	146.47000 °C
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	35-40 (°)	36.91°
Appearance (F110732)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager