

## Certificate of Analysis

Date of Testing: 2023-08-14 13:25:08  
Date of Next Testing: 2027-08-13 13:25:08  
Product Name: **5-Fluoro-2'-deoxyuridine**  
CAS Number: 50-91-9  
Specifications & Purity: Moligand™, ≥99%  
Lot #: H2309307  
SKU #: **F110732**  
Version: **0**  
Analysis #: **254370**  
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