

## Certificate of Analysis

Date of Testing: 2023-02-23 17:59:15  
Date of Next Testing: 2027-02-22 17:59:15  
Product Name: **7-Ethyl-10-hydroxycamptothecin**  
CAS Number: 86639-52-3  
Specifications & Purity: 98%  
Lot #: B2317760  
SKU #: **E110128**  
**Analysis: 175960**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.64700 %
Water by Karl Fischer	0-10 (%)	5.61 %
Specific Rotation [a] <sub>20</sub> /D(c=0.2 in THF)	20-30 (°)	29.98°
Appearance (E110128)	White to off- White to Yellow to Green powder to crystal	White to off- White to Yellow to Green powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO , Faint Yellow to Yellow,Clear,1 mg/mL	Conforms	Conforms



John Su  
QA & QC Manager