

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-14 08:56:21
Date of Next Testing: 2027-07-13 08:56:21
Product Name: **7-Ethyl-10-hydroxycamptothecin**
CAS Number: 86639-52-3
Specifications & Purity: 98%
Lot #: 11926046
SKU #: **E110128**
Analysis: **251440**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in THF})$	20-30 (°)	22.60°
Purity(HPLC)	98-100 (%)	99.20400 %
Water by Karl Fischer	0-10 (%)	6.14 %
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