

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-14 13:57:21

Date of Next Testing: 2026-03-14 13:57:21

Product Name: **7-Ethylcamptothecin**

CAS Number: 78287-27-1

Specifications & Purity: $\geq 96.0\%$ (HPLC)

Lot #: F2207193

SKU #: **E134852**

Analysis: **330799**

Parameter	Limit Values	Result
Purity(HPLC)	96-100 (%)	97.46200 %
Specific Rotation $[\alpha]_{20/D(c=0.4 \text{ in CHCL}_3:\text{MeOH}=8:2)$	40-46 ($^{\circ}$)	43.13 $^{\circ}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(E134852)	Light orange to Yellow to Green powder to crystal	light orange to yellow to green powder to crystals

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager