

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-13 13:40:53

Date of Next Testing: 2027-03-13 13:40:53

Product Name: **Rubitecan**

CAS Number: 91421-42-0

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: H2124408

SKU #: **R139432**

Version: **0**

Analysis #: **479298**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	5.20000 %
Purity(HPLC)	98-100 (%)	98.70000 %
Specific Rotation $[\alpha]_{20/D}(c=0.4 \text{ in } \text{CHCl}_3:\text{MeOH}=8:2)$	36-42 (°)	39.50000 °
Appearance (R139432)	Pale yellow powder	Pale yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO , Yellow to Green,Clear,1 mg/ml	Conforms	Conforms



John Su
QA & QC Manager