# **Certificate of Analysis**

## **Exatecan Intermediate 1**

Cat. No.: HY-42487
CAS No.: 110351-94-5
Batch No.: 115435

Chemical Name: 1H-Pyrano[3,4-f]indolizine-3,6,10(4H)-trione, 4-ethyl-7,8-dihydro-4-hydroxy-, (4S)-

#### PHYSICAL AND CHEMICAL PROPERTIES

 $\label{eq:molecular-formula:} Molecular Formula: $C_{13}H_{13}NO_5$$  Molecular Weight: 263.25

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 2 years

-20°C 1 year

#### **Chemical Structure:**

### **ANALYTICAL DATA**

Appearance: Off-white to light brown (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

Enantiomeric Excess: 99.97%

Purity (HPLC): 99.99%

Water(KF): 0.11%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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