

## 1. Identification

Catalogue Number

T542512

Lot Number

2026-TRT-002

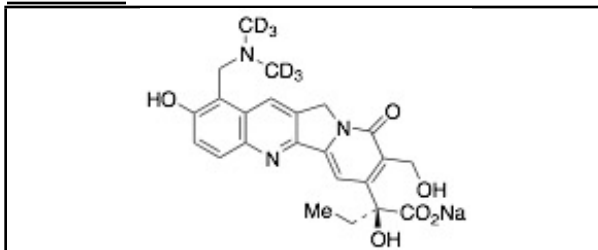
Product Name

Topotecan-d6 Carboxylic Acid Sodium Salt

Synonyms

1-[(Dimethylamino-d6)methyl]- $\alpha$ -ethyl-9,11-dihydro- $\alpha$ ,2-dihydroxy-8-(hydroxymethyl)-9-oxo-indolizino[1,2-b]quinoline-7-acetic Acid Monosodium Salt;

Structure



CAS Number

N/A

Solubility

DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>23</sub>H<sub>18</sub>D<sub>6</sub>N<sub>3</sub>NaO<sub>6</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

467.49

Purity

95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

Tests

Appearance

Specifications

Yellow to Very Dark Orange Solid

Results

Dark Yellow to Very Dark Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 57.31, %H: 5.23, %N: 8.66

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.2%

Specific Rotation

Report Result

+12.8° (c = 0.2, Water)

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.31%, d<sub>1</sub> = 0.06%, d<sub>2</sub> = 0.33%, d<sub>3</sub> = 0.19%, d<sub>4</sub> = 0.33%, d<sub>5</sub> = 0.41%, d<sub>6</sub> = 98.38%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

Reviewed by

Jessica Wang Chi  
Product Quality Specialist

Reviewed by

Toni Rantanen  
Manager, Quality Assurance

C of A Approved by

Chien Nguyen  
QA Coordinator

Test Date

1/15/2026

Retest Date

1/13/2030