

1. Identification

Catalogue Number

I767502

Lot Number

4-JES-62-5

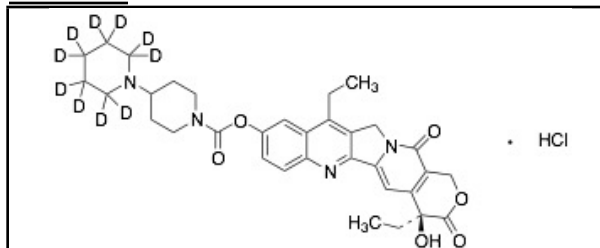
Product Name

Irinotecan-d10 Hydrochloride (Major)

Synonyms

[1,4'-Bipiperidine]-1'-carboxylic Acid-d10 (4S)-4,11-Diethyl-3,4,12,14-

Structure



CAS Number

718612-62-5

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₃₃H₂₉D₁₀ClN₄O₆

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

633.2

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Yellow to Orange Solid	Yellow to Orange Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 53.14, %H: 6.45, %N: 7.96
HPLC Purity	>95%	98.09% (220 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+14.9° (c = 0.5, Methanol)

Additional Information

Normalized Intensity: d₀ = 0.01%, d₁ = 0.01%, d₂ = 0.01%, d₃ = 0.01%, d₄ = 0.03%, d₅ = 0.00%, d₆ = 0.00%, d₇ = 0.19%, d₈ = 2.03%, d₉ = 15.87%, d₁₀ = 59.87%, d₁₁ = 21.96%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
R. Sreji			7/10/2023	7/8/2027
swathi reddy	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		