



CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

176774-98-4

Catalogue Number:

TRC-D448362

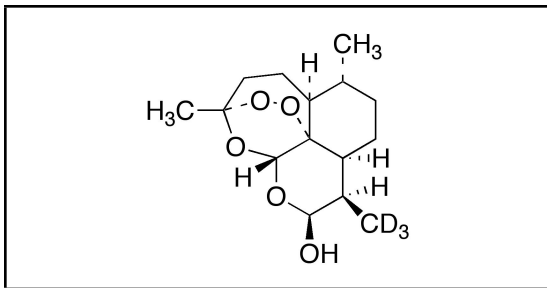
Product:

Dihydro Artemisinin-d3

Synonyms:

(3R,5aS,6R,8aS,9R,10S,12R,12aR)-Decahydro-3,6,9-trimethyl- 3,12-epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10-ol-d3; β -Dihydroartemisinin-d3; Alaxin-d3; Cotecxin-d3; Cotexin-d3; DHQHS 2-d3; Dihydroartemisinine-d3; Dihydroqinghaosu-d3;

Structure:



Molecular Formula:

C₁₅H₂₁D₃O₅

Molecular Weight:

287.37

Source of Product:

N/A

2. Analytical Information

Lot Number:

1-BJM-134-1

Atmosphere:

Inert Gas

Melting Point:

N/A

Solubility

Methanol (Very Slightly)

Appearance of Product:

White Solid

Stability

Unstable in Solutions

Method for Determining Identity:

¹H NMR (CDCl₃) and MS

Long Term Storage Condition:

-20°C, Inert atmosphere

Purity:

Chemical Purity: 98%

Isotopic Purity: 98.1%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with AMCS and KMnO₄; Single Spot, R_f = 0.60.

¹H NMR and MS conform to structure.

Normalized Intensity: d₀ = 0.01%, d₁ = 0.79%, d₂ = 4.03%, d₃ = 95.17%

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.

Philip Chan, Head of Quality Assurance

QC Test Date

August 18, 2017

Retest Date

August 16, 2021