

1. Identification

Catalogue Number

M368141

Lot Number

29-PSB-7-1

Product Name

(+)-Matrine-D₃ (Major)

Synonyms

(7aS,13aR,13bR,13cS)-Dodecahydro-1H,5H,10H-dipyrido[2,1-f:3',2',1'-ij][1,6]naphthyridin-10-one-d₃; Matridin-15-one-d₃; Matrine-d₃; NSC 146051-d₃; NSC 318810-d₃; Vegard; α-Matine-d₃

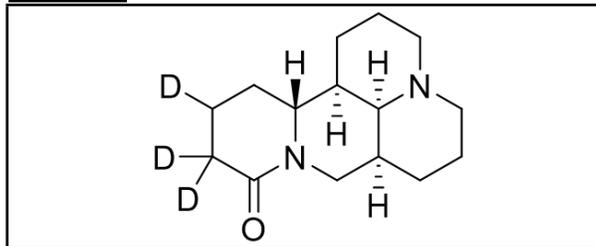
CAS Number

N/A

Solubility

Chloroform (Slightly), Water (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₅H₂₁D₃N₂O

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

251.38

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Off-White to Pale Brown Solid

Results

Pale Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 71.61, %H: 9.75, %N: 11.01

HPLC Purity

>95%

99.98% (ELSD)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+31.9° (c = 0.2, Water)

Additional Information

Normalized Intensity: d₀ = 0.04%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 99.96%

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

Reviewed by

R. Swathi

swathi reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Sadaf Samadi

Sadaf Samadi

Quality Assurance Associate

Test Date

6/11/2024

Retest Date

6/9/2028