

1. Identification

Catalogue Number

M257802

Lot Number

7-JMR-187-1

Product Name

Mertansine-13CD3

Synonyms

N²-Deacetyl-N^{2'}-(3-mercapto-1-oxopropyl)-maytansine-13CD₃; DM 1-13CD₃; Maytansinoid DM 1-13CD₃; N²-Deacetyl-N^{2'}-(3-mercapto-1-oxopropyl)maytansine-13CD₃

CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

Molecular Formula

C₃₄¹³CH₄₅D₃ClN₃O₁₀S

Source of Product

Synthetic

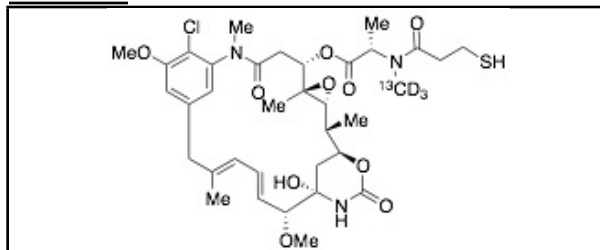
Molecular Weight

742.3

Purity

>95%

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Long Term Storage Conditions

-20°C, Hygroscopic

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 55.65, %H: 6.55, %N: 5.36

HPLC Purity

>95%

97.49% (235 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.3%

Additional Information

Normalized Intensity: d₀ = 0.20%, d₁ = 0.87%, d₂ = 1.35%, d₃ = 0.56%, d₄ = 97.02%

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

Nicole Yip
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Christina Gouliaras
Quality Assurance Associate

Test Date

2/28/2023

Retest Date

2/26/2027