

1. Identification

Catalogue Number

C244102

Lot Number

23-VSB-34-3

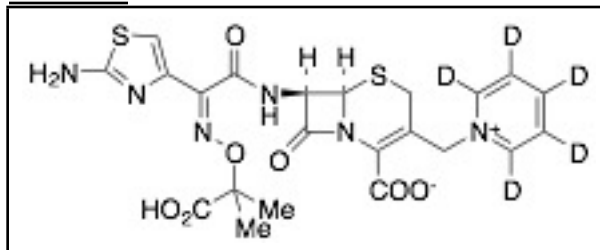
Product Name

Ceftazidime-d5 (90%)

Synonyms

1-[[[(6R,7R)-7-[[[(2Z)-2-(2-Amino-4-thiazolyl)-2-[[[(1-carboxy-1-methylethoxy)imino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridine-d5; Biotum-d5; Ceftacidin-d5; Fortam-d5; Fortaz-d5; Fortum-d5; GR 20263-d5; Modacin-d5; Tazicef-d5; Tazidime-d5;

Structure



CAS Number

N/A

Solubility

DMSO (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped With Blue Ice, Dry Pack

Molecular Formula

C₂₂H₁₇D₅N₆O₇S₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

551.61

Purity

>90%

2. Warnings

Light Sensitive, Moisture Sensitive, Temperature Sensitive

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 43.69, %H: 4.07, %N: 13.91

HPLC Purity

Report Result

94.04% (260 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.0%

Additional Information

Normalized Intensity: d₀ = 0.19%, d₁ = 0.04%, d₂ = 0.00%, d₃ = 0.00%, d₄ = 4.05%, d₅ = 95.70%

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. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Chanell Chu

Test Date

4/2/2025

Retest Date

3/31/2029

Swathi Reddy

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Quality Assurance Associate