



CERTIFICATE OF ANALYSIS

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1. Identification

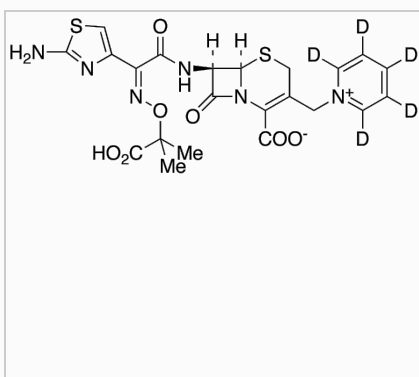
Catalogue Number: C244102

CAS Number: NA

Product: Ceftazidime-d5 (90%)

Synonym: 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:



Molecular Formula:

C₂₂H₁₇D₅N₆O₇S₂

Molecular weight:

551.61

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 13-NBP-178-2

Purity: 90%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	93.72% (260 nm)
Isotopic Purity	>95%	98.3%
Elemental Analysis	Conforms	%C: 40.84, %H: 4.18, %N: 12.92

Additional Information:

Normalized Intensity: d0 = 0.27%, d1 = 0.26%, d2 = 0.22%, d3 = 0.25%, d4 = 5.11%, d5 = 93.89%

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



Reviewed By

Toni Rantanen



**C of A Approved
By**

Christina Gouliaras



Test Date

9/14/2023

Retest Date

9/12/2027