



CERTIFICATE OF ANALYSIS

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1. Identification

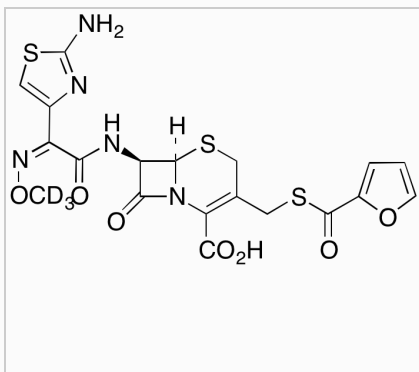
Catalogue Number: C244703

CAS Number: NA

Product: Ceftiofur-d3

Synonym: (6R,7R)-7-[[[(2Z)-2-(2-Amino-4-thiazolyl)-2-(methoxyimino-d3)acetyl]amino]-3-[[2-furanylcarbonyl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; Excenel-d3; Excenel RTU-d3; U 64279A-d3; U 67279A-d3;

Structure:



Molecular Formula:

C₁₉H₁₄D₃N₅O₇S₃

Molecular weight:

526.58

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly, Heated, Sonicated)

Lot Number: 29-AZC-4-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Pale Brown Solid	Pale Beige to Pale Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 41.44, %H: 3.62, %N: 12.43
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.6% (d0 = 0.38%)
Specific Rotation	Report Result	-84.9° (c = 0.2, Methanol)
Water Content	Report Result	~4.5% based on Elemental Analysis
HPLC Purity	Report Result	96.67% (290 nm)

Additional Information: N/A

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	8/17/2021	8/15/2025
