



CERTIFICATE OF ANALYSIS

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1. Identification

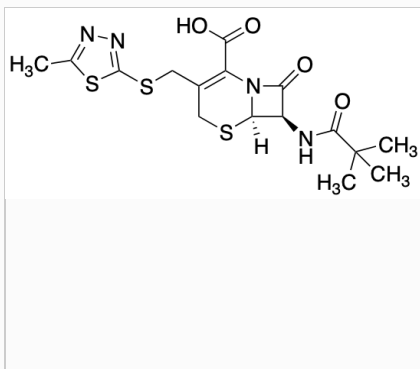
Catalogue Number: C234108

CAS Number: 2384108-14-7

Product: 7-Pivalamido Cefazolin

Synonym: Cefazolin EP Impurity B; (6R,7R)-3-(((5-Methyl-1,3,4-thiadiazol-2-yl)thio)methyl)-8-oxo-7-pivalamido-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid

Structure:



Molecular Formula:

C₁₆H₂₀N₄O₄S₃

Molecular weight:

428.55

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 13-YHU-3-1

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1: Hygroscopic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Brown Solid	Light Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	96.29% (270 nm)
Elemental Analysis	Conforms	%C: 43.44, %H: 4.67, %N: 12.08
Specific Rotation	Report Result	-90.0° (c = 0.2, DMSO)

Additional Information: Contains: ~2.7% Methanol

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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	6/18/2021	6/16/2025