

**1. Identification**Catalogue Number

S699187

Lot Number

23-JQW-13-2

Product Name

Sulbactam-d5 Sodium Salt (Major)

Synonyms

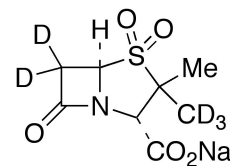
(2S,5R)-3,3-Dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid-d5 4,4-Dioxide Sodium Salt; CP 45899-2-d5; Penicillanic Acid-d5 1,1-Dioxide Sodium Salt; Sodium 1,1-Dioxypenicillanate-d5; Sodium Penicillanate-d5 1,1-Dioxide; Sodium Sulbactam-d5; Sulbactam-d5 Sodium; Sulbactam-d5 Sodium Salt; Unasyn IM-d5;

CAS Number

1322625-44-4

Solubility

DMSO (Slightly, Heated), Methanol
(Very Slightly)

StructureShipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula $C_8H_5D_5NNaO_5S$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

260.25

Purity

>95%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

Pale Yellow to Pale Beige Solid

Results

Pale Yellow to Pale Beige Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 35.20, %H: 4.25, %N: 5.24

HPLC Purity

>95%

100.00% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.6%

Sodium Content

Report Result

8.36% by Ion Chromatography

Additional InformationNormalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.01\%$, $d_3 = 0.10\%$, $d_4 = 6.58\%$, $d_5 = 93.31\%$

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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. SignaturesReviewed by

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Jr. Quality Assurance

Test Date

5/4/2023

Retest Date

5/2/2027