

1. Identification

Catalogue Number

P223502

Lot Number

11-SWZ-131-1

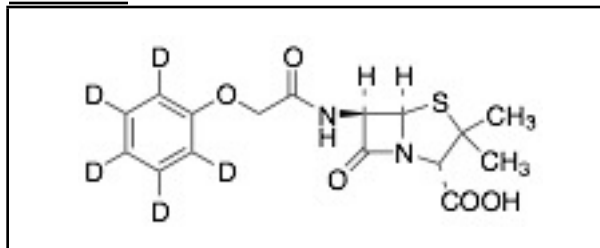
Product Name

Penicillin V-d5

Synonyms

(2S,5R,6R)-3,3-Dimethyl-7-oxo-6-[(2-phenoxy-d5-acetyl)amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid; 6-(Phenoxy-d5-acetamido)penicillanic Acid; Phenoxyethylpenicillin-d5; Phenospin-d5; Oracilline-d5; V-Cillin-d5;

Structure



CAS Number

1356837-87-0

Solubility

Chloroform (Slightly), DMSO (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₆H₁₃D₅N₂O₅S

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

355.42

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

96.72% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.3%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.15%, d₄ = 8.18%, d₅ = 91.66%

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. Swathi

Swathi Reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Jr. Quality Assurance

Test Date

5/4/2023

Retest Date

5/2/2027