

1. Identification

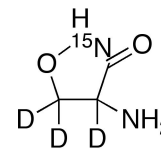
Catalogue Number

C988802

Lot Number

10-MBA-78-1

Structure



Product Name

rac Cycloserine-15N,d3

Synonyms

4-Amino-3-isoxazolidinone-15N,d3; (+/-)-3-Oxoisoxazolidin-4-amine-15N,d3; DL-Cycloserine-15N,d3;

CAS Number

1219176-26-7

Solubility

DMSO (Slightly), Methanol (Slightly, Heated)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₃H₃D₃N¹⁵NO₂

Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

106.1

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Light Pink Solid

Results

Pale Yellow to Pale Brown Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 33.48, %H: 5.69, %N: 24.67

HPLC Purity

>95%

100.00% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.4%

Additional Information

Normalized Intensity: d₀ = 0.08%, d₁ = 0.13%, d₂ = 0.06%, d₃ = 5.63%, d₄ = 94.10%

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

Evan Burns

Reviewed by

C of A Approved by

Test Date

10/17/2022

Retest Date

10/15/2026

Evan Burns

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Jr. Quality Assurance