

1. Identification

Catalogue Number

A171872

Lot Number

4-YFD-178-1

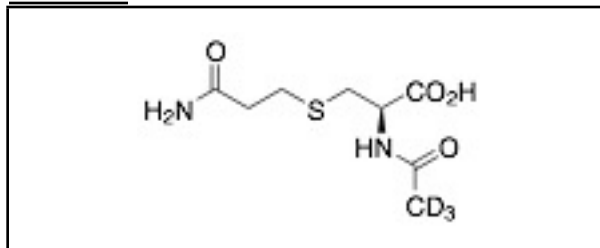
Product Name

N-Acetyl-S-(carbamoyl-ethyl)-L-cysteine-d3

Synonyms

N-(Acetyl-d3)-S-(3-amino-3-oxopropyl)-L-cysteine; AAMA-d3;

Structure



CAS Number

1795786-57-0

Solubility

Aqueous Acid (Slightly), DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₈H₁₁D₃N₂O₄S

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

237.29

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Semi-Solid to Solid	White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	96.18% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.6%
Specific Rotation	Report Result	-16.3° (c = 0.5, 1N HCl)

Additional Information

TLC Conditions: SiO₂; Dichloromethane : Methanol : Acetic Acid = 8 : 2 : 0.1; Visualized with AMCS and KMnO₄; Single Spot, R_f = 0.50.
Normalized Intensity: d₀ = 0.27%, d₁ = 0.53%, d₂ = 2.39%, d₃ = 96.80%

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

NWY

Nicole Yip

Reviewed by

EJB

Eric Beaton

C of A Approved by

HBN

My Nguyen

Test Date

10/11/2019

Retest Date

10/9/2026