



## 1. Identification

### Catalogue Number

A173712

### Lot Number

26-YKZ-33-2

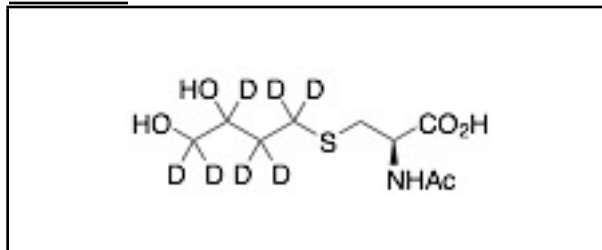
### Product Name

N-Acetyl-S-(3,4-dihydroxybutyl)-L-cysteine-d7 (Mixture of Diastereomers)

### Synonyms

4-(N-Acetyl-L-cystein-S-yl)-1,2-dihydroxybutane-d7, DHBMA-d7,

### Structure



### CAS Number

1240398-27-9

### Solubility

Methanol (Slightly), Water (Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>9</sub>H<sub>10</sub>D<sub>7</sub>NO<sub>5</sub>S

### Source of Product

Synthetic

### Long Term Storage Conditions

4°C, Hygroscopic

### Molecular Weight

258.34

### Purity

>95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

### Tests

Appearance

### Specifications

Colourless to Pale Yellow Oil to Sticky Solid

### Results

Hazy Colourless to Off-White Thick Oil to Sticky Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 40.88, %H: 6.65, %N: 5.24

HPLC Purity

>95%

99.61% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

97.3%

### Additional Information

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.02%, d<sub>2</sub> = 0.00%, d<sub>3</sub> = 0.00%, d<sub>4</sub> = 0.08%, d<sub>5</sub> = 0.34%, d<sub>6</sub> = 17.68%, d<sub>7</sub> = 81.90%

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

*Sarjeet Kaur*

Sarjeet Kaur

Product Quality Specialist

### Reviewed by

*Toni Rantanen*

Toni Rantanen

Manager, Quality Assurance

### C of A Approved by

*Chanell Chu*

Chanell Chu

Quality Assurance Associate

### Test Date

3/23/2024

### Retest Date

3/21/2028