

## 1. Identification

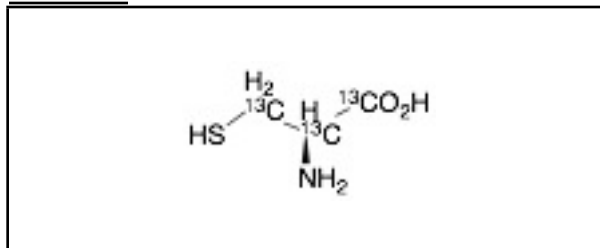
Catalogue Number

C995004

Lot Number

712205521-2-1

Structure



Product Name

L-Cysteine-13C3

Synonyms

L-Cysteine-1,2,3-13C3

CAS Number

202114-66-7

Solubility

Methanol (Very Slightly), Water  
(Sparingly)

Shipping Condition

This Product Is Stable To Be Shipped At Room  
Temperature

Molecular Formula

<sup>13</sup>C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

124.14

Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 29.02, %H: 5.49, %N: 11.14
HPLC Purity	>95%	98.62% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.3%
Specific Rotation	Report Result	+6.0° (c = 0.1, 5N HCl)

## Additional Information

Normalized Intensity: <sup>13</sup>C<sub>0</sub> = 0.00%, <sup>13</sup>C<sub>1</sub> = 0.00%, <sup>13</sup>C<sub>2</sub> = 2.21%, <sup>13</sup>C<sub>3</sub> = 97.79%

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			4/14/2025	4/12/2029
Vijaya Annapareddy	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		