

1. Identification

Catalogue Number

A790038

Lot Number

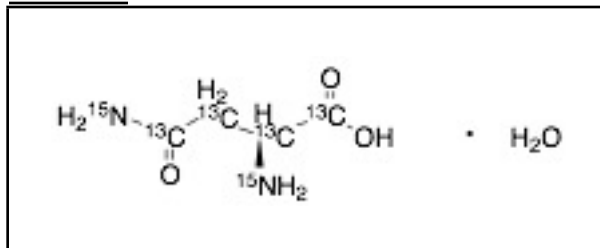
712146240-1-1

Product Name

L-Asparagine-13C4, 15N2 Hydrate

Synonyms

Structure



CAS Number

202406-87-9

Solubility

Aqueous Acid (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

$^{13}\text{C}_4\text{H}_8^{15}\text{N}_2\text{O}_3 \cdot$

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

138.08 + 18.02

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

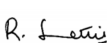
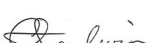
<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 30.80, %H: 6.28, %N: 17.90
HPLC Purity	>95%	99.56% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%
Water Content	Report Result	11.5%
Specific Rotation	Report Result	+20.2° (c = 0.2, 1N HCl)

Additional Information

Normalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.00\%$, $d_3 = 0.00\%$, $d_4 = 0.00\%$, $d_5 = 0.00\%$, $d_6 = 100.00\%$

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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>
			1/16/2025	1/14/2029
Swathi Reddy	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		