

## Certificate of Analysis

## L-Arginine-<sup>13</sup>C (hydrochloride)

Cat. No.:	HY-N0455AS7
CAS No.:	94740-43-9
Batch No.:	428408
Chemical Name:	L-Arginine-amidino-13C, monohydrochloride

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>5</sub> <sup>13</sup> CH <sub>15</sub> ClN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	211.65
Storage:	4°C, sealed storage, away from moisture
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

**Chemical Structure:** 

 $H_2N \overset{NH}{\overset{V}{\overset{}_{\sim}}} N \overset{O}{\overset{}_{\sim}} H \overset{HCI}{\overset{}_{\sim}} H H \overset{HCI}{\overset{}} H \overset{HCI}{\overset{}} H \overset{HCI}{\overset{}_{\sim}} H \overset{HCI}{\overset{}_{\sim}} H \overset{HCI}{\overset{}_{\sim}} H \overset{HCI}{\overset{}} H \overset{HCI}{\overset{}} H \overset{HCI}{\overset{}} H \overset{HCI}{\overset{}$ 

## **ANALYTICAL DATA**

White to off-white (Solid)
99.30%
99%
The product has been tested and complies with the given specifications.

Proteins

Caution: Product has not been fully validated for medical applications. For research use only.

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