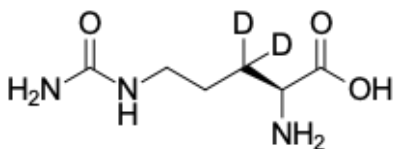


## L-Citrulline-d2

<http://www.lumiprobe.com/p/l-citrulline-d2>

L-Citrulline-(3,3-d2) is one of stable isotopes, a deuterated citrulline (L-Cit), in which two hydrogens are replaced with deuterium (d2). The molecule includes two non-exchangeable deuterium atoms (3,3-d2) during ionization and in solution. It is used biomolecular NMR, MS, metabolomics, proteomics with isotope labeling strategy.



**Structure of L-Citrulline-d2**

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### General properties

Appearance: white powder

Molecular weight: 177.20

Molecular formula: C<sub>6</sub>H<sub>11</sub>D<sub>2</sub>N<sub>3</sub>O<sub>3</sub>

IUPAC name: (2S)-2-amino-5-(carbamoylamino)-3,3-dideuteriopentanoic acid

Solubility: in water

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+ %, D: 98+ %)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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