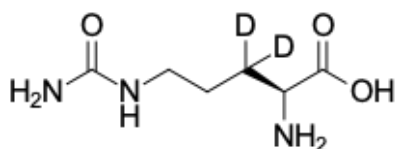


## L-Citrulline-d2

<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**

### General properties

- p>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.
- Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.