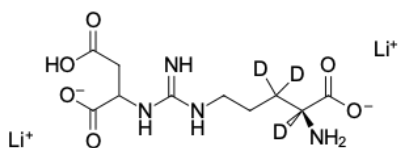


Argininosuccinic acid-d3

<http://www.lumiprobe.com/p/argininosuccinic-acid-d3>

Argininosuccinic acid (ASA) is a non-proteinogenic amino acid and an intermediate in the urea cycle, formed as a conjugate of arginine and aspartic acid. Elevated levels of ASA in biological fluids serve as a biochemical marker for argininosuccinic acid lyase deficiency (ASLD) — a hereditary urea cycle disorder also known as argininosuccinic aciduria. Measurement of this metabolite is used in neonatal screening programs.

High purity and a defined deuterium position ensure predictable MS fragmentation, which is critical for accurate quantitative analysis. The product is intended for research use only.



Structure of Argininosuccinic acid-d3

General properties

Appearance: white powder

Molecular weight: 305.12

Molecular formula: $C_{10}H_{13}D_3Li_2N_4O_6$

Solubility: in water

Quality control: NMR 1H 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.