

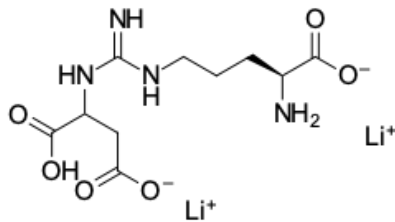
L-Argininosuccinic acid (ASA)

<http://cn.lumiprobe.com/p/argininosuccinic-acid-asa>

Argininosuccinate (L-Argininosuccinic acid) is a non-proteinogenic amino acid and an intermediate metabolite in the urea cycle, representing a conjugate of the amino acids arginine and aspartic acid. The reagent is intended for use as an analytical standard for quantitative analysis by LC-MS/MS in biological matrices.

Argininosuccinate serves as a diagnostic marker in newborn screening for the inherited metabolic disorder argininosuccinate lyase deficiency (argininosuccinic aciduria).

This condition disrupts the urea cycle, leading to hyperammonemia and the accumulation of argininosuccinate in the patient's blood and urine. It may also be used in conjunction with [citrulline](#) for the diagnosis of another urea cycle disorder — argininosuccinate synthase deficiency (citrullinemia). In this case, argininosuccinate levels in the blood will be decreased, while citrulline levels are significantly elevated.



外观: 302.14
分子量:
CAS 2230686-32-3 (lithium salt); 2387-71-5 (free acid)
编号:
分子式: $C_{10}H_{16}Li_2N_4O_6$
质量控制:
储存条件:
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