

L-Arginine  $\alpha$ -ketoglutarate

## Chemical Properties

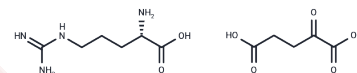
CAS No. : 16856-18-1

Formula: C<sub>11</sub>H<sub>20</sub>N<sub>4</sub>O<sub>7</sub>

Molecular Weight: 320.3

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	L-Arginine $\alpha$ -ketoglutarate, often abbreviated as AAKG, is a dietary supplement that combines L-Arginine and $\alpha$ -ketoglutarate, a critical intermediate in the Krebs cycle. L-Arginine is a precursor to nitric oxide, which helps regulate blood flow and promotes vasodilation, while $\alpha$ -ketoglutarate is involved in energy production and protein synthesis. Together, these compounds are believed to support improved muscle recovery, increased endurance, and enhanced athletic performance.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1221 mL	15.6104 mL	31.2207 mL
5 mM	0.6244 mL	3.1221 mL	6.2441 mL
10 mM	0.3122 mL	1.561 mL	3.1221 mL
50 mM	0.0624 mL	0.3122 mL	0.6244 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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