

Global Serine Amino Acid Market Size Study & Forecast, by Type (L-Serine, D-Serine, DL-Serine), by Application (Dietary Supplements, Pharmaceutical, Cosmetics), and Regional Analysis, 2023-2030

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Abstracts

Global Serine Amino Acid Market is valued at approximately USD 129.60 million in 2022 and is anticipated to grow with a healthy growth rate of more than 6.89% over the forecast period 2023-2030. Serine is an amino acid that the body can synthesize or obtain from dietary sources, including foods such as nuts, soybeans, eggs, lentils, meat, chickpeas, and fish. There are two primary forms of serine: D-serine and L-serine. L-serine is commonly used in dietary applications, while D-serine is synthesized internally from L-serine and serves as a crucial component in protein synthesis. Additionally, D-serine plays a role in transmitting chemical signals to the brain, potentially offering therapeutic benefits for conditions such as schizophrenia and other brain-related disorders. Serine is employed in various medical contexts, including the treatment of Parkinson's disease, schizophrenia, insomnia, memory and cognitive functions, depression, and others. The Serine Amino Acid Market is expanding because of factors such as the growing awareness regarding the health benefits of serine, the rising use of serine in the food and beverage industry, and surging demand for vegan sources of amino acids.

In addition, the soaring demand for dietary supplements is further attributed for market growth across the globe. Serine is a popular ingredient in dietary supplements as it offers a number of health benefits such as improved cognitive function, reduced stress levels, and better sleep quality.

growing focus on health and wellness, driven by consumer awareness, can boost the demand for dietary supplements containing amino acids such as serine. The focus on improving mental and physical health is increasing, which, in turn, bolsters the demand

for supplements that include serine. According to Statista, in 2021, the dietary supplements sector was estimated to valued USD 205 billion globally and the sector is progressively growing and projected to reach USD 308 billion by 2028. Thus, these aforementioned factors are propelling the growth of the Serine Amino Acid Market during the estimated period. Moreover, the expanding applications of serine in the pharmaceutical industry, as well as the rising development of new products and applications present various lucrative opportunities over the forecast years. However, the stringent regulatory standards and quality control requirements, along with the fluctuating raw material costs are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Serine Amino Acid Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the growing health concerns and a heightened awareness of the importance of personal well-being. Furthermore, the trend towards Ready-To-Drink Beverage (RTD) supplements, as well as the growing old population and the rising occurrence of continual illnesses are anticipated to positively influence the demand for amino acids, consequently boosting the regional Serine Amino Acid Market. Whereas, North America is expected to grow at a significant CAGR over the forecast years. The region boasts a significant presence of major industry players in both the dietary supplements and pharmaceutical sectors, contributing to the substantial demand for serine amino acids.

Major market players included in this report are:

Tokyo Chemical Industry Co., Ltd. (Japan)
Thermo Fisher Scientific Inc. (U.S.)
Merck KGaA (Germany)
KYOWA HAKKO BIO CO., LTD. (Japan)
Evonik Industries AG (Germany)
Ajinomoto Co., Inc. (Japan)
Sichuan Tongsheng Amino Acid Co., Ltd (China)
Lipotec S.A.U. (Spain)
Bioven Ingredients (India)
Mitsui Chemicals, Inc. (Japan)

Recent Developments in the Market:

In September 2021, Element Nutritional Sciences Inc. introduced JAKTRX Pro amino acids, a cutting-edge product catering to the sports nutrition industry. This formulation features plant-based amino acids with an enhanced dosage, offering a significant

advancement for athletes and fitness enthusiasts.

In December 2020, Otsuka Pharmaceutical Factory, Inc. unveiled ENEFLUID Injection, a comprehensive injection containing fat, glucose, electrolytes, amino acids, and water-soluble vitamins. This marks the company's debut in Japan's peripheral parenteral nutrition market, featuring a unique combination of fats, water-soluble vitamins, electrolytes, glucose, and amino acids.

Global Serine Amino Acid Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

L-Serine

D-Serine

DL-Serine

By Application:

Dietary Supplements

Pharmaceutical

Cosmetics

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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