

Global Synthetic Inositol Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Synthetic Inositol market size is expected to reach \$ 55.12 million by 2032, rising at a market growth of 5.8% CAGR during the forecast period (2026-2032).

In 2025, sales of synthetic inositol reached 4,101 tons, with an average price of \$8,837 per ton.

Synthetic inositol refers to an industrially produced product that converts simple carbon sources (glucose, glycerol, maltodextrin, etc.) into inositol in one step through chemical or biocatalytic means, without using phytic acid. Unlike the traditional 'phytic acid hydrolysis-inositol' process, it features readily available raw materials, low pollution, and high stereoselectivity.

The mainstream process uses food-grade glucose (or glycerol) as the sole carbon source, employing a three-step enzymatic cascade reaction: glucose → glucose-6-phosphate → inositol-1-phosphate → inositol. The entire process requires no high-pressure acid hydrolysis, and the only byproduct is inorganic phosphorus. The glucose consumption is approximately 3.2 t/t inositol. In terms of raw material costs, glucose accounts for 45-50%, enzyme preparations (inositol-1-phosphate synthase, etc.) for 15-20%, fermentation energy consumption and membrane separation for 15%, and manual, environmental, and GMP refining costs for 15-20%.

This report studies the global Synthetic Inositol production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Synthetic Inositol and provides market size (US\$ million) and Year-over-Year (YoY) Growth,

considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Synthetic Inositol that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Synthetic Inositol total production and demand, 2021-2032, (Tons)

Global Synthetic Inositol total production value, 2021-2032, (USD Million)

Global Synthetic Inositol production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Synthetic Inositol consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Synthetic Inositol domestic production, consumption, key domestic manufacturers and share

Global Synthetic Inositol production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Synthetic Inositol production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Synthetic Inositol production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Synthetic Inositol market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TSUNO, Sichuan Bohaoda Biological, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Synthetic Inositol market

Detailed Segmentation:

Global Synthetic Inositol Supply, Demand and Key Producers, 2026-2032

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Synthetic Inositol Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Synthetic Inositol Market, Segmentation by Type:

Chemical Isomerization Method

Microbial Fermentation Method

In Vitro Multi-Enzyme Cascade Method

Global Synthetic Inositol Market, Segmentation by Grades:

Food Grade

Pharmaceutical Grade

Feed Grade

Global Synthetic Inositol Market, Segmentation by Raw Materials:

Recombinant Escherichia Coli

Pichia Pastoris

Saccharomyces Cerevisiae

In Vitro Enzyme Systems

Global Synthetic Inositol Market, Segmentation by Application:

Pharmaceuticals

Food and Beverages

Cosmetics

Feed Additives

Other

Companies Profiled:

TSUNO

Sichuan Bohaoda Biological

Key Questions Answered:

1. How big is the global Synthetic Inositol market?
2. What is the demand of the global Synthetic Inositol market?

3. What is the year over year growth of the global Synthetic Inositol market?
4. What is the production and production value of the global Synthetic Inositol market?
5. Who are the key producers in the global Synthetic Inositol market?
6. What are the growth factors driving the market demand?

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