

Global Synthetic Inositol Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Synthetic Inositol market size was valued at US\$ 37.29 million in 2025 and is forecast to a readjusted size of US\$ 55.12 million by 2032 with a CAGR of 5.8% during review period.

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 is a detailed and comprehensive analysis for global Synthetic Inositol market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this

report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Synthetic Inositol market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Synthetic Inositol market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Synthetic Inositol market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Synthetic Inositol market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Synthetic Inositol

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Synthetic Inositol market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Synthetic Inositol market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for

consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Chemical Isomerization Method

Microbial Fermentation Method

In Vitro Multi-Enzyme Cascade Method

Market segment by Grades

Food Grade

Pharmaceutical Grade

Feed Grade

Market segment by Raw Materials

Recombinant Escherichia Coli

Pichia Pastoris

Saccharomyces Cerevisiae

In Vitro Enzyme Systems

Market segment by Application

Pharmaceuticals

Food and Beverages

Cosmetics

Feed Additives

Other

Major players covered

TSUNO

Sichuan Bohaoda Biological

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Synthetic Inositol product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Synthetic Inositol, with price, sales quantity, revenue, and global market share of Synthetic Inositol from 2021 to 2026.

Chapter 3, the Synthetic Inositol competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Synthetic Inositol breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Synthetic Inositol market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Synthetic Inositol.

Chapter 14 and 15, to describe Synthetic Inositol sales channel, distributors, customers, research findings and conclusion.

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