

Global Bio 1,3-PDO Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Bio 1,3-PDO market size will reach 1,126.10 Million USD in 2025 and is projected to reach 5,658.78 Million USD by 2032, with a CAGR of 25.94% (2025-2032). Notably, the China Bio 1,3-PDO market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Bio 1,3-propanediol (PDO) refers to 1,3-propanediol that is produced through biological or fermentation processes, typically using renewable biomass feedstocks such as sugars, starches, or cellulose. 1,3-propanediol is a chemical compound with a three-carbon backbone and two hydroxyl groups (-OH) attached to adjacent carbon atoms. Bio-based PDO is considered environmentally friendly compared to traditional PDO production methods that rely on fossil fuels. It serves as a versatile building block in the synthesis of various products including polymers, plastics, and personal care products. Bio 1,3-PDO is used in applications such as polyester resins (e.g., for textiles and packaging), polyurethanes, antifreeze agents, and cosmetics. Its production from renewable sources supports sustainability efforts by reducing dependence on finite fossil resources and lowering greenhouse gas emissions associated with conventional chemical manufacturing processes.

The major global manufacturers of Bio 1,3-PDO include Covation, METabolic Explorer (Metex Noovista), Glory Biomaterial, Shangdong Mingxing, Shenghong Group, Tsingda

Smart Biotech, Shanxi Changqing, Hengsheng Biotech, Juhua Group, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Bio 1,3-PDO. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Bio 1,3-PDO market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Bio 1,3-PDO market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Bio 1,3-PDO industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Bio 1,3-PDO Include:

Covation

METabolic Explorer (Metex Noovista)

Glory Biomaterial

Shangdong Mingxing

Shenghong Group

Tsingda Smart Biotech

Shanxi Changqing

Hengsheng Biotech

Juhua Group

Bio 1,3-PDO Product Segment Include:

Glucose Method

Glycerin Method

Bio 1,3-PDO Product Application Include:

PTT

PU

Personal Care

Other

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

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