

# Global Biological Pentylenediamine for Medicine Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Biological Pentylenediamine for Medicine market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The global pharmaceutical market is 1475 billion USD in 2022, growing at a CAGR of 5% during the next six years. The pharmaceutical market includes chemical drugs and biological drugs. For biologics is expected to 381 billion USD in 2022. In comparison, the chemical drug market is estimated to increase from 1005 billion in 2018 to 1094 billion U.S. dollars in 2022. The pharmaceutical market factors such as increasing demand for healthcare, technological advancements, and the rising prevalence of chronic diseases, increase in funding from private & government organizations for development of pharmaceutical manufacturing segments and rise in R&D activities for drugs. However, the industry also faces challenges such as stringent regulations, high costs of research and development, and patent expirations. Companies need to continuously innovate and adapt to these challenges to stay competitive in the market and ensure their products reach patients in need. Additionally, the COVID-19 pandemic has highlighted the importance of vaccine development and supply chain management, further emphasizing the need for pharmaceutical companies to be agile and responsive to emerging public health needs.

Pentylenediamine, also known as 1,5-diaminopentane, is an important C5 platform compound. It is a colorless fuming liquid with an odor similar to ammonia gas and is easily soluble in water and ethanol. Kasai uses renewable plant resources as raw materials to produce high-purity biological pentylenediamine through specific biological transformation process.

Pentylenediamine can be used in polyamide, pentamethylene diisocyanate (PDI), epoxy resin curing agent, organic synthesis intermediates, etc., and can be further used in spinning, engineering materials, medicine, pesticides, organic synthesis and other fields.

This report studies the global Biological Pentylenediamine for Medicine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Biological Pentylenediamine for Medicine, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Biological Pentylenediamine for Medicine that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Biological Pentylenediamine for Medicine total production and demand, 2018-2029, (Tons)

Global Biological Pentylenediamine for Medicine total production value, 2018-2029, (USD Million)

Global Biological Pentylenediamine for Medicine production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Biological Pentylenediamine for Medicine consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Biological Pentylenediamine for Medicine domestic production, consumption, key domestic manufacturers and share

Global Biological Pentylenediamine for Medicine production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Biological Pentylenediamine for Medicine production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Biological Pentylenediamine for Medicine production by Application production,

value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global Biological Pentylenediamine for Medicine 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 Cathay Biotech, Aphenia Pharma Solutions, Bio-Tech Pharmacal, Goodwin Biotechnology, Xenon Pharmaceuticals, Nektar Therapeutics, Midas Pharmaceuticals, Kedrion Biopharma and Xcelthera, 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 Biological Pentylenediamine for Medicine market.

Detailed Segmentation:

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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Biological Pentylenediamine for Medicine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Biological Pentylenediamine for Medicine Market, Segmentation by Type

Purity 98.5%-99%

Purity >99%

## Global Biological Pentylenediamine for Medicine Market, Segmentation by Application

Pharmaceutical Industry

Medical Research

Others

## Companies Profiled:

Cathay Biotech

Aphena Pharma Solutions

Bio-Tech Pharmacal

Goodwin Biotechnology

Xenon Pharmaceuticals

Nektar Therapeutics

Midas Pharmaceuticals

Kedrion Biopharma

Xcelthera

Anichem

ALC Bio Innovations

ACADIA Pharmaceuticals

AbbVie

Ology Bioservices

QMI - Quality Management

Biomiga

Molecular Targeting Technologies

#### Key Questions Answered

1. How big is the global Biological Pentylenediamine for Medicine market?
2. What is the demand of the global Biological Pentylenediamine for Medicine market?
3. What is the year over year growth of the global Biological Pentylenediamine for Medicine market?
4. What is the production and production value of the global Biological Pentylenediamine for Medicine market?
5. Who are the key producers in the global Biological Pentylenediamine for Medicine market?

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