

Global 4,4'-Azobis(4-cyanopentanoic acid) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global 4,4'-Azobis(4-cyanopentanoic acid) market size is expected to reach \$ 49.94 million by 2032, rising at a market growth of 3.1% CAGR during the forecast period (2026-2032).

4,4'-Azobis(4-cyanopentanoic acid) , also known as V501, is a water-soluble organic compound that exists as a white crystalline solid at room temperature. It is used as a free-radical initiator in polymerization reactions, generating free radicals to initiate the synthesis of materials such as polyvinyl chloride and polyacrylonitrile.

The upstream core raw materials include levulinic acid, sodium cyanide, and hydrazine hydrate. The intermediate azo compound is prepared through condensation and cyanation, and then the final product is obtained through an oxidation process. Its downstream applications are highly concentrated in areas requiring aqueous phase polymerization, primarily as an initiator in the production of polymers such as polyvinyl chloride (PVC), polyacrylonitrile, and polyvinyl alcohol (PVA).

Global sales in 2025 are projected to be approximately 800 tons, with an average market price of approximately US\$48,800 per ton. The industry's gross profit margin is in the range of 15%–30%.

This report studies the global 4,4'-Azobis(4-cyanopentanoic acid) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 4,4'-Azobis(4-cyanopentanoic acid) 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 4,4'-Azobis(4-cyanopentanoic acid) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 4,4'-Azobis(4-cyanopentanoic acid) total production and demand, 2021-2032, (Tons)

Global 4,4'-Azobis(4-cyanopentanoic acid) total production value, 2021-2032, (USD Million)

Global 4,4'-Azobis(4-cyanopentanoic acid) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global 4,4'-Azobis(4-cyanopentanoic acid) consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: 4,4'-Azobis(4-cyanopentanoic acid) domestic production, consumption, key domestic manufacturers and share

Global 4,4'-Azobis(4-cyanopentanoic acid) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global 4,4'-Azobis(4-cyanopentanoic acid) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global 4,4'-Azobis(4-cyanopentanoic acid) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global 4,4'-Azobis(4-cyanopentanoic acid) 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 Chemours, Otsuka Chemical, FUJIFILM Wako Pure Chemical, Synazo, Qingdao Kexin New Material Technology, Zibo Huidong Chemical Technology, 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 4,4'-Azobis(4-cyanopentanoic acid) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (K 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 4,4'-Azobis(4-cyanopentanoic acid) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 4,4'-Azobis(4-cyanopentanoic acid) Market, Segmentation by Type:

Purity?98%

Purity?99%

Global 4,4'-Azobis(4-cyanopentanoic acid) Market, Segmentation by Form:

Powder

Granules

Global 4,4'-Azobis(4-cyanopentanoic acid) Market, Segmentation by Application:

Polyvinyl Chloride

Polyacrylonitrile

Polyvinyl Alcohol

Other

Companies Profiled:

Chemours

Otsuka Chemical

FUJIFILM Wako Pure Chemical

Synazo

Qingdao Kexin New Material Technology

Zibo Huidong Chemical Technology

Key Questions Answered:

1. How big is the global 4,4'-Azobis(4-cyanopentanoic acid) market?
2. What is the demand of the global 4,4'-Azobis(4-cyanopentanoic acid) market?
3. What is the year over year growth of the global 4,4'-Azobis(4-cyanopentanoic acid) market?
4. What is the production and production value of the global 4,4'-Azobis(4-cyanopentanoic acid) market?
5. Who are the key producers in the global 4,4'-Azobis(4-cyanopentanoic acid) market?

6. What are the growth factors driving the market demand?

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