

Global 5-Methylphenazinium Methosulfate 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 5-Methylphenazinium Methosulfate market size was valued at US\$ 14.71 million in 2025 and is forecast to a readjusted size of US\$ 19.91 million by 2032 with a CAGR of 4.4% during review period.

In 2025, global sales volume of 5-Methylphenazinium Methosulfate was approximately 13 tons, with an average global market price of around USD 1,100/kg. The gross margin of major manufacturers in the industry was approximately 35%?55%.

5-Methylphenazinium Methosulfate, also known as Phenazine Methosulfate, PMS, CAS No. 299-11-6, is a phenazinium salt redox mediator commonly used in electron transfer reactions for biochemical testing, enzyme activity analysis, and cell-based assays. The product is typically supplied as a yellow to brownish-yellow powder or crystalline solid, with good water solubility but relatively high sensitivity to light, temperature, and storage conditions. It is generally stored under light-protected, low-temperature, or dry conditions. Its core function is to mediate electron transfer in NADH/NADPH, dehydrogenase, and tetrazolium salt colorimetric systems, thereby promoting color development or electrochemical signal formation.

Its upstream materials mainly include phenazine intermediates, methylating agents, solvents, purification auxiliaries, and quality control reagents. Downstream applications mainly include enzyme activity detection, cell viability assays, in vitro diagnostic reagents, biosensors, and basic life science research. As downstream applications have relatively high requirements for purity, impurity control, batch-to-batch consistency, and storage stability, industry competition is mainly focused on synthesis and purification

capability, quality consistency, and stable small-batch supply capability.

This report is a detailed and comprehensive analysis for global 5-Methylphenazinium Methosulfate 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 5-Methylphenazinium Methosulfate market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global 5-Methylphenazinium Methosulfate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global 5-Methylphenazinium Methosulfate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global 5-Methylphenazinium Methosulfate market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 5-Methylphenazinium Methosulfate

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 5-Methylphenazinium Methosulfate 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 Mubychem Group, Dayang Chem (Hangzhou), Hangzhou Yanding Biomedical Technology, Shanghai Baoboluo New Material Technology, Yichang Shangnuode Biomedical Technology, Hunan Huibaiyi New Materials, etc.

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

Market Segmentation

5-Methylphenazinium Methosulfate 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

Purity ?98%

Purity ?99%

Market segment by Form

Powder

Crystalline

Market segment by Application

Enzyme Activity Detection

Cell Viability Assay

In Vitro Diagnostic Reagent

Biosensor

Other

Major players covered

Mubychem Group

Dayang Chem (Hangzhou)

Hangzhou Yanding Biomedical Technology

Shanghai Baoboluo New Material Technology

Yichang Shangnuode Biomedical Technology

Hunan Huibaiyi New Materials

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 5-Methylphenazinium Methosulfate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 5-Methylphenazinium Methosulfate, with price, sales quantity, revenue, and global market share of 5-Methylphenazinium Methosulfate from 2021 to 2026.

Chapter 3, the 5-Methylphenazinium Methosulfate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 5-Methylphenazinium Methosulfate 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 5-Methylphenazinium Methosulfate 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 5-Methylphenazinium Methosulfate.

Chapter 14 and 15, to describe 5-Methylphenazinium Methosulfate sales channel, distributors, customers, research findings and conclusion.

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