

Global 1,1,3,3-Tetramethylguanidine Hydrochloride 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 1,1,3,3-Tetramethylguanidine Hydrochloride market size was valued at US\$ 8.85 million in 2025 and is forecast to a readjusted size of US\$ 13.85 million by 2032 with a CAGR of 6.5% during review period.

Tetramethylguanidine Hydrochloride (CAS 1729-17-5, molecular formula C₅H₁₄CIN₃, molecular weight 151.64) is a fine chemical guanidine salt, available in both solid and solution forms. The product is primarily used in the production of tetramethylguanidine free base, deep eutectic solvents, catalytic salts, perovskite additives, and fine chemical synthesis, with an estimated overall gross margin of 48%.

Tetramethylguanidine hydrochloride is a small-volume, high-value, and dispersed specialty guanidine product. The global market size is estimated at USD 8.6 million in 2025 and USD 9.2 million in 2026. Its mainstream supply form is solid dry product at approximately 98% purity, and it has not yet developed a significant bulk supply-demand structure.

Demand growth is primarily driven by traditional fine synthesis applications such as tetramethylguanidine free base and catalytic salts, green solvent systems including deep eutectic solvents, and emerging materials research such as perovskite photovoltaic additives.

The market is expected to grow at a CAGR of approximately 6.7% from 2026 to 2032, supported by small-batch synthesis in pharmaceuticals and fine chemicals, customized ionic liquids, green solvents, and photovoltaic material additives. Due to small batch

sizes, high purity and COA requirements, and long customer validation cycles, price elasticity is limited, and gross margins are expected to remain around 48%. However, if perovskites or functional ionic liquids achieve large-scale applications, the market ceiling could increase further.

This report is a detailed and comprehensive analysis for global 1,1,3,3-Tetramethylguanidine Hydrochloride 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 1,1,3,3-Tetramethylguanidine Hydrochloride market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global 1,1,3,3-Tetramethylguanidine Hydrochloride market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global 1,1,3,3-Tetramethylguanidine Hydrochloride market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global 1,1,3,3-Tetramethylguanidine Hydrochloride market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), 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 1,1,3,3-Tetramethylguanidine Hydrochloride

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 1,1,3,3-Tetramethylguanidine Hydrochloride 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 BLDpharm, Leyan, Fluorochem, ChemScene, Ambeed, Lanzhou Greenchem ILs, MREDA, JACS Chemical, ACME Chem, Wengjiang Reagent, etc.

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

Market Segmentation

1,1,3,3-Tetramethylguanidine Hydrochloride 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

Solid

Solution

Market segment by Purity

?98.0%

98.0–98.9%

99.0–99.4%

?99.5%

Others

Market segment by Sales Channel

Direct Sales

Distribution

Market segment by Application

TMG Free Base

Deep Eutectic Solvents

Perovskite Additives

Catalyst Salts

Fine Synthesis

Others

Major players covered

BLDpharm

Leyan

Fluorochem

ChemScene

Ambeed

Lanzhou Greenchem ILs

MREDA

JACS Chemical

ACME Chem

Wengjiang Reagent

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 1,1,3,3-Tetramethylguanidine Hydrochloride product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 1,1,3,3-Tetramethylguanidine Hydrochloride, with price, sales quantity, revenue, and global market share of 1,1,3,3-Tetramethylguanidine Hydrochloride from 2021 to 2026.

Chapter 3, the 1,1,3,3-Tetramethylguanidine Hydrochloride competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 1,1,3,3-Tetramethylguanidine Hydrochloride 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 1,1,3,3-Tetramethylguanidine Hydrochloride 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 1,1,3,3-Tetramethylguanidine Hydrochloride.

Chapter 14 and 15, to describe 1,1,3,3-Tetramethylguanidine Hydrochloride sales channel, distributors, customers, research findings and conclusion.

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