

# **Global Malonic Acid Market Size study & Forecast, by Application (Flavor Enhancer, API, Additive, pH Controller, Precursor, Other Applications), by End-use (Food & Beverage, Pharmaceutical, Agriculture, Plastics, Paints & Coatings, Other) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Malonic Acid Market is valued at approximately USD 108.1 million in 2022 and is anticipated to grow with a healthy growth rate of more than 2.9% over the forecast period 2023-2030. Malonic acid, also known as propanedioic acid, is a dicarboxylic organic acid with the chemical formula  $C_3H_4O_4$ . It is a white crystalline solid that is soluble in water and polar organic solvents. Malonic acid is widely used in various chemical processes, particularly as a starting material or building block for the synthesis of pharmaceuticals, agrochemicals, and specialty chemicals. It has two carboxylic acid groups that make it versatile for chemical reactions, including esterification, condensation, and decarboxylation reactions. The pharmaceutical industry plays a pivotal role in driving growth as it heavily relies on malonic acid as a crucial starting ingredient for synthesizing numerous medicines and drug intermediates. Additionally, Malonic acid is widely used in the food and beverage industry as an acidulant and flavoring component, which is projected to significantly boost demand for it over the forecast period. Furthermore, the rising focus on sustainable and eco-friendly chemical processes further drives the demand for malonic acid due to its environmentally friendly properties.

The demand for malonic acid is increasing as a result of the malonic acid expanding use in the agricultural sector, where it serves as a precursor for the creation of a variety of fungicides, insecticides, and herbicides. According to the Food and Agriculture

Organization of the UN, in 2020, the overall number of pesticides traded grew by 30%. Traded disinfectants, which increased from 4.0 to 8.7 million tons from 2019 to 2020. In response to the growing demand from various sectors, key market participants are actively involved in implementing sustainable production methods, undertaking expansion initiatives, and conducting development activities for malonic acid. Manufacturers can capitalize on the rising demand by prioritizing the establishment of production methods that are environmentally friendly and sustainable. However, the market faces challenges including a shortage of substitute raw resources, environmental issues, and unpredictability in raw material costs throughout the forecast period 2023-2030.

The key regions considered for the Global Malonic Acid Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Europe dominated the market in 2022 due to the presence of key market players, and growing numerous end-use industries, such as food & beverage, pharmaceutical, agricultural, plastics, paints & coatings, and other. North America is expected to grow significantly during the forecast period, due to a rise in the demand for cosmetics, food additives, and medications and growing investment in research and development activities in the region.

Major market player included in this report are:

Lonza Group

Wuhan Kemi-Works Chemical Co., Ltd.

Shanghai Nanxiang Reagent Co., Ltd.

Columbus Chemical Industries, Inc.

TATEYAMA KASEI co., Ltd

Trace Zero LLC

Medical Chem (Yancheng) Manuf. Co., Ltd.

J&K Scientific Ltd.

Lagos Inc

Hefei TNJ Chemical Industry Co., Ltd.

Recent Developments in the Market:

In November 2022, a research and development partnership between Ginkgo Bioworks and Lygos Inc. was announced to create biodegradable polymer-based formulations and solutions, the company combines the work of two of its research and development programmers over the course of about two years.

Global Malonic Acid Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Application, End Use, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Flavor Enhancer

API

Additive

pH Controller

Precursor

Other Applications

By End Use:

Food & Beverage

Pharmaceutical

Agriculture

Plastics

Paints & Coatings

Other

By Region:

North America

U.S.  
Canada

Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC

Latin America  
Brazil  
Mexico

Middle East & Africa  
Saudi Arabia  
South Africa  
Rest of Middle East & Africa

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