

Global Nanozymes Market Size study & Forecast, by Type (Active Metal Centre Mimic, Functional Mimic, Nanocomposite, 3D Structural Mimic), by Application (Healthcare, Chemical, Agriculture, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Nanozymes Market is valued at approximately USD 1.1 million in 2021 and is anticipated to grow with a healthy growth rate of more than 5.7% over the forecast period 2022-2029. Nanozymes refer to nanomaterials with intrinsic enzyme-like properties. They can specifically catalyze substrates of natural enzymes under physiological conditions with similar catalytic mechanisms and kinetics. Nanozymes are being used for in-vitro detection and in vivo disease monitoring and treatment. Moreover, these are being studied for disease imaging and detection to explore their potential application in disease diagnosis and precision medicine. The increasing expansion of precision medicine market and growing prevalence of chronic diseases are key factors driving the market growth.

The rising adoption of precision medicine is contributing towards the growth of the Global Nanozymes Market, as Nanozymes have widespread applications including targeted cancer therapy, diagnostic medicine, and bio-sensing. For instance - as per Statista – in 2021, the global precision medicine market was valued at USD 77.61 billion, and as per projection by 2026, the market is estimated to reach over USD 140 billion by 2026. Also, growing research on cancer and other diseases and rising emergence of artificial nanozymes would create a lucrative growth prospectus for the market over the forecast period. However, concern over low stability, high cost, and difficult storage stifle market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Nanozymes Market study include Asia

Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the dominance of leading market players and growing expansion of biomedical industry in the region. Whereas Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising prevalence of chronic diseases as well as growing expansion of contract research organizations (CROs) in the region.

Major market players included in this report are:

Profacgen

FutureX Industries

Nano medichem

Max Systems LLC.

Emergene Agrinovo Private Limited

Bionics Enviro Tech

NanJing NANO EAST BioTech CO., LTD

Nanozyme, Inc.

GenScript Biotechnology

Bloomage Bio

Recent Developments in the Market:

In April 2021, Researchers from India based Indian Institute of Science (IISc), developed artificial enzymes that can successfully block reactivation and replication of the Human Immunodeficiency Virus (HIV) in the host's immune cells. These nano enzymes are Made from vanadium pentoxide nanosheets, and work by mimicking a natural enzyme called glutathione peroxidase that helps reduce oxidative stress levels in the host's cells, which is required to keep the virus in check.

Global Nanozymes Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

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

Segments Covered Type, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

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 Type

- Active Metal Centre Mimic
- Functional Mimic
- Nanocomposite
- 3D Structural Mimic

By Application

- Healthcare
- Chemical
- Agriculture
- Others

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
RoLA
Rest of the World

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