

Global RNA-based Therapeutics Drug Market 2023 by Company, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global RNA-based Therapeutics Drug market size was valued at USD 65800 million in 2022 and is forecast to a readjusted size of USD 84010 million by 2029 with a CAGR of 3.6% during review period.

Nucleic acid drugs, also known as nucleic acid-based therapeutics, are a class of pharmaceuticals designed to treat various diseases by targeting specific genes or genetic processes within the human body. They are distinct from traditional small molecule drugs and instead rely on nucleic acids, which are the building blocks of genetic information. Nucleic acid drugs encompass various types of pharmaceuticals that use nucleic acids, such as DNA or RNA, as their active components to target specific genes or genetic processes.

The Nucleic Acid-Based Therapeutics Drug Market is driven by the promising potential of nucleic acid-based therapies in treating various genetic and acquired diseases, including genetic disorders, cancer, and infectious diseases. These innovative drugs utilize nucleic acids, such as DNA or RNA, to modify or regulate gene expression, correct genetic mutations, or target specific disease-associated genes. As the understanding of genomics and molecular biology advances, and personalized medicine gains traction, the demand for nucleic acid-based therapeutics continues to grow. Innovations in drug development, delivery systems, and gene editing technologies further contribute to market expansion. However, a significant challenge for this market is the need to address delivery and stability issues, ensure long-term safety and efficacy, and navigate regulatory complexities and patient acceptance. Overcoming technical and scientific hurdles, optimizing drug delivery methods, and addressing

concerns about off-target effects are ongoing challenges. Additionally, the market faces competition from conventional therapies and the need for continuous research and development to unlock the full therapeutic potential of nucleic acid-based drugs. Striking a balance between providing safe, effective, and accessible nucleic acid-based therapeutics while addressing scientific and regulatory challenges is essential for the continued growth of the Nucleic Acid-Based Therapeutics Drug Market.

The Global Info Research report includes an overview of the development of the RNA-based Therapeutics Drug industry chain, the market status of Neuromuscular Diseases (Antisense Oligonucleotides (ASO), siRNA), hATTR (Antisense Oligonucleotides (ASO), siRNA), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of RNA-based Therapeutics Drug.

Regionally, the report analyzes the RNA-based Therapeutics Drug markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global RNA-based Therapeutics Drug market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the RNA-based Therapeutics Drug market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the RNA-based Therapeutics Drug industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Antisense Oligonucleotides (ASO), siRNA).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the RNA-based Therapeutics Drug market.

Regional Analysis: The report involves examining the RNA-based Therapeutics Drug

market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the RNA-based Therapeutics Drug market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to RNA-based Therapeutics Drug:

Company Analysis: Report covers individual RNA-based Therapeutics Drug players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards RNA-based Therapeutics Drug. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Neuromuscular Diseases, hATTR).

Technology Analysis: Report covers specific technologies relevant to RNA-based Therapeutics Drug. It assesses the current state, advancements, and potential future developments in RNA-based Therapeutics Drug areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the RNA-based Therapeutics Drug market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

RNA-based Therapeutics Drug market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Antisense Oligonucleotides (ASO)

siRNA

mRNA

Market segment by Application

Neuromuscular Diseases

hATTR

COVID-19

Other

Market segment by players, this report covers

Sarepta Therapeutics

Ionis Pharmaceuticals

Anylam

Biogen

Nippon Shinyaku

Sobi

Novartis

BioNTech

Pfizer

Moderna Therapeutics

Jazz Pharmaceuticals

CureVac

Regulus Therapeutics

ProQR

Secarna

MiNA Therapeutics

Sylentis

Arrowhead

Silence Therapeutics

Dicerna

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe RNA-based Therapeutics Drug product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of RNA-based Therapeutics Drug, with revenue, gross margin and global market share of RNA-based Therapeutics Drug from 2018 to 2023.

Chapter 3, the RNA-based Therapeutics Drug competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2018 to 2029.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2018 to 2023. and RNA-based Therapeutics Drug market forecast, by regions, type and application, with consumption value, from 2024 to 2029.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of RNA-based Therapeutics Drug.

Chapter 13, to describe RNA-based Therapeutics Drug research findings and conclusion.

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