

Global Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery 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.

Oligonucleotides can be used to modulate gene expression via a range of processes including RNAi, target degradation by RNase H-mediated cleavage, splicing modulation, non-coding RNA inhibition, gene activation and programmed gene editing.

The Oligonucleotide Drug Delivery Market is driven by the rapid advancement in oligonucleotide-based therapies, including antisense, siRNA, and aptamer-based drugs, which hold immense potential for treating various genetic and rare diseases. These therapies rely on oligonucleotides to modulate gene expression, inhibit specific targets, or diagnose genetic disorders. As the understanding of genetic mechanisms and precision medicine continues to evolve, the demand for efficient and targeted delivery systems for oligonucleotide drugs grows. Innovations in drug delivery technologies, such as lipid nanoparticles and conjugates, as well as the expansion of oligonucleotide drug pipelines, further contribute to market expansion. However, a significant challenge for this market is the need to address the complexity of drug delivery, including overcoming biological barriers, minimizing off-target effects, and ensuring long-term safety and efficacy. Overcoming delivery hurdles, optimizing pharmacokinetics, and navigating regulatory pathways are ongoing challenges. Additionally, the market faces competition from traditional drug therapies, and the need for continuous research and development to enhance the delivery efficiency and patient acceptance of oligonucleotide drugs. Striking a balance between providing efficient and precise

oligonucleotide drug delivery solutions while addressing safety and regulatory considerations is crucial for the continued growth of the Oligonucleotide Drug Delivery Market.

The Global Info Research report includes an overview of the development of the Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery.

Regionally, the report analyzes the Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery market.

Regional Analysis: The report involves examining the Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Oligonucleotide Drug Delivery:

Company Analysis: Report covers individual Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery. 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 Oligonucleotide Drug Delivery. It assesses the current state, advancements, and potential future developments in Oligonucleotide Drug Delivery areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Oligonucleotide Drug Delivery 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

Oligonucleotide Drug Delivery 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

Alnylam

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 Oligonucleotide Drug Delivery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Oligonucleotide Drug Delivery, with revenue, gross margin and global market share of Oligonucleotide Drug Delivery from 2018 to 2023.

Chapter 3, the Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery 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 Oligonucleotide Drug Delivery.

Chapter 13, to describe Oligonucleotide Drug Delivery research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Oligonucleotide Drug Delivery

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Oligonucleotide Drug Delivery by Type

1.3.1 Overview: Global Oligonucleotide Drug Delivery Market Size by Type: 2018 Versus 2022 Versus 2029

1.3.2 Global Oligonucleotide Drug Delivery Consumption Value Market Share by Type in 2022

1.3.3 Antisense Oligonucleotides (ASO)

1.3.4 siRNA

1.3.5 mRNA

1.4 Global Oligonucleotide Drug Delivery Market by Application

1.4.1 Overview: Global Oligonucleotide Drug Delivery Market Size by Application: 2018 Versus 2022 Versus 2029

1.4.2 Neuromuscular Diseases

1.4.3 hATTR

1.4.4 COVID-19

1.4.5 Other

1.5 Global Oligonucleotide Drug Delivery Market Size & Forecast

1.6 Global Oligonucleotide Drug Delivery Market Size and Forecast by Region

1.6.1 Global Oligonucleotide Drug Delivery Market Size by Region: 2018 VS 2022 VS 2029

1.6.2 Global Oligonucleotide Drug Delivery Market Size by Region, (2018-2029)

1.6.3 North America Oligonucleotide Drug Delivery Market Size and Prospect (2018-2029)

1.6.4 Europe Oligonucleotide Drug Delivery Market Size and Prospect (2018-2029)

1.6.5 Asia-Pacific Oligonucleotide Drug Delivery Market Size and Prospect (2018-2029)

1.6.6 South America Oligonucleotide Drug Delivery Market Size and Prospect (2018-2029)

1.6.7 Middle East and Africa Oligonucleotide Drug Delivery Market Size and Prospect (2018-2029)

2 COMPANY PROFILES

2.1 Sarepta Therapeutics

- 2.1.1 Sarepta Therapeutics Details
- 2.1.2 Sarepta Therapeutics Major Business
- 2.1.3 Sarepta Therapeutics Oligonucleotide Drug Delivery Product and Solutions
- 2.1.4 Sarepta Therapeutics Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
- 2.1.5 Sarepta Therapeutics Recent Developments and Future Plans
- 2.2 Ionis Pharmaceuticals
 - 2.2.1 Ionis Pharmaceuticals Details
 - 2.2.2 Ionis Pharmaceuticals Major Business
 - 2.2.3 Ionis Pharmaceuticals Oligonucleotide Drug Delivery Product and Solutions
 - 2.2.4 Ionis Pharmaceuticals Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.2.5 Ionis Pharmaceuticals Recent Developments and Future Plans
- 2.3 Alnylam
 - 2.3.1 Alnylam Details
 - 2.3.2 Alnylam Major Business
 - 2.3.3 Alnylam Oligonucleotide Drug Delivery Product and Solutions
 - 2.3.4 Alnylam Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 Alnylam Recent Developments and Future Plans
- 2.4 Biogen
 - 2.4.1 Biogen Details
 - 2.4.2 Biogen Major Business
 - 2.4.3 Biogen Oligonucleotide Drug Delivery Product and Solutions
 - 2.4.4 Biogen Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Biogen Recent Developments and Future Plans
- 2.5 Nippon Shinyaku
 - 2.5.1 Nippon Shinyaku Details
 - 2.5.2 Nippon Shinyaku Major Business
 - 2.5.3 Nippon Shinyaku Oligonucleotide Drug Delivery Product and Solutions
 - 2.5.4 Nippon Shinyaku Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 Nippon Shinyaku Recent Developments and Future Plans
- 2.6 Sobi
 - 2.6.1 Sobi Details
 - 2.6.2 Sobi Major Business
 - 2.6.3 Sobi Oligonucleotide Drug Delivery Product and Solutions
 - 2.6.4 Sobi Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share

(2018-2023)

2.6.5 Sobi Recent Developments and Future Plans

2.7 Novartis

2.7.1 Novartis Details

2.7.2 Novartis Major Business

2.7.3 Novartis Oligonucleotide Drug Delivery Product and Solutions

2.7.4 Novartis Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Novartis Recent Developments and Future Plans

2.8 BioNTech

2.8.1 BioNTech Details

2.8.2 BioNTech Major Business

2.8.3 BioNTech Oligonucleotide Drug Delivery Product and Solutions

2.8.4 BioNTech Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 BioNTech Recent Developments and Future Plans

2.9 Pfizer

2.9.1 Pfizer Details

2.9.2 Pfizer Major Business

2.9.3 Pfizer Oligonucleotide Drug Delivery Product and Solutions

2.9.4 Pfizer Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Pfizer Recent Developments and Future Plans

2.10 Moderna Therapeutics

2.10.1 Moderna Therapeutics Details

2.10.2 Moderna Therapeutics Major Business

2.10.3 Moderna Therapeutics Oligonucleotide Drug Delivery Product and Solutions

2.10.4 Moderna Therapeutics Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Moderna Therapeutics Recent Developments and Future Plans

2.11 Jazz Pharmaceuticals

2.11.1 Jazz Pharmaceuticals Details

2.11.2 Jazz Pharmaceuticals Major Business

2.11.3 Jazz Pharmaceuticals Oligonucleotide Drug Delivery Product and Solutions

2.11.4 Jazz Pharmaceuticals Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Jazz Pharmaceuticals Recent Developments and Future Plans

2.12 CureVac

2.12.1 CureVac Details

- 2.12.2 CureVac Major Business
- 2.12.3 CureVac Oligonucleotide Drug Delivery Product and Solutions
- 2.12.4 CureVac Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
- 2.12.5 CureVac Recent Developments and Future Plans
- 2.13 Regulus Therapeutics
 - 2.13.1 Regulus Therapeutics Details
 - 2.13.2 Regulus Therapeutics Major Business
 - 2.13.3 Regulus Therapeutics Oligonucleotide Drug Delivery Product and Solutions
 - 2.13.4 Regulus Therapeutics Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.13.5 Regulus Therapeutics Recent Developments and Future Plans
- 2.14 ProQR
 - 2.14.1 ProQR Details
 - 2.14.2 ProQR Major Business
 - 2.14.3 ProQR Oligonucleotide Drug Delivery Product and Solutions
 - 2.14.4 ProQR Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.14.5 ProQR Recent Developments and Future Plans
- 2.15 Secarna
 - 2.15.1 Secarna Details
 - 2.15.2 Secarna Major Business
 - 2.15.3 Secarna Oligonucleotide Drug Delivery Product and Solutions
 - 2.15.4 Secarna Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.15.5 Secarna Recent Developments and Future Plans
- 2.16 MiNA Therapeutics
 - 2.16.1 MiNA Therapeutics Details
 - 2.16.2 MiNA Therapeutics Major Business
 - 2.16.3 MiNA Therapeutics Oligonucleotide Drug Delivery Product and Solutions
 - 2.16.4 MiNA Therapeutics Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.16.5 MiNA Therapeutics Recent Developments and Future Plans
- 2.17 Sylentis
 - 2.17.1 Sylentis Details
 - 2.17.2 Sylentis Major Business
 - 2.17.3 Sylentis Oligonucleotide Drug Delivery Product and Solutions
 - 2.17.4 Sylentis Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)

- 2.17.5 Sylentis Recent Developments and Future Plans
- 2.18 Arrowhead
 - 2.18.1 Arrowhead Details
 - 2.18.2 Arrowhead Major Business
 - 2.18.3 Arrowhead Oligonucleotide Drug Delivery Product and Solutions
 - 2.18.4 Arrowhead Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.18.5 Arrowhead Recent Developments and Future Plans
- 2.19 Silence Therapeutics
 - 2.19.1 Silence Therapeutics Details
 - 2.19.2 Silence Therapeutics Major Business
 - 2.19.3 Silence Therapeutics Oligonucleotide Drug Delivery Product and Solutions
 - 2.19.4 Silence Therapeutics Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.19.5 Silence Therapeutics Recent Developments and Future Plans
- 2.20 Dicerna
 - 2.20.1 Dicerna Details
 - 2.20.2 Dicerna Major Business
 - 2.20.3 Dicerna Oligonucleotide Drug Delivery Product and Solutions
 - 2.20.4 Dicerna Oligonucleotide Drug Delivery Revenue, Gross Margin and Market Share (2018-2023)
 - 2.20.5 Dicerna Recent Developments and Future Plans

3 MARKET COMPETITION, BY PLAYERS

- 3.1 Global Oligonucleotide Drug Delivery Revenue and Share by Players (2018-2023)
- 3.2 Market Share Analysis (2022)
 - 3.2.1 Market Share of Oligonucleotide Drug Delivery by Company Revenue
 - 3.2.2 Top 3 Oligonucleotide Drug Delivery Players Market Share in 2022
 - 3.2.3 Top 6 Oligonucleotide Drug Delivery Players Market Share in 2022
- 3.3 Oligonucleotide Drug Delivery Market: Overall Company Footprint Analysis
 - 3.3.1 Oligonucleotide Drug Delivery Market: Region Footprint
 - 3.3.2 Oligonucleotide Drug Delivery Market: Company Product Type Footprint
 - 3.3.3 Oligonucleotide Drug Delivery Market: Company Product Application Footprint
- 3.4 New Market Entrants and Barriers to Market Entry
- 3.5 Mergers, Acquisition, Agreements, and Collaborations

4 MARKET SIZE SEGMENT BY TYPE

4.1 Global Oligonucleotide Drug Delivery Consumption Value and Market Share by Type (2018-2023)

4.2 Global Oligonucleotide Drug Delivery Market Forecast by Type (2024-2029)

5 MARKET SIZE SEGMENT BY APPLICATION

5.1 Global Oligonucleotide Drug Delivery Consumption Value Market Share by Application (2018-2023)

5.2 Global Oligonucleotide Drug Delivery Market Forecast by Application (2024-2029)

6 NORTH AMERICA

6.1 North America Oligonucleotide Drug Delivery Consumption Value by Type (2018-2029)

6.2 North America Oligonucleotide Drug Delivery Consumption Value by Application (2018-2029)

6.3 North America Oligonucleotide Drug Delivery Market Size by Country

6.3.1 North America Oligonucleotide Drug Delivery Consumption Value by Country (2018-2029)

6.3.2 United States Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

6.3.3 Canada Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

6.3.4 Mexico Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

7 EUROPE

7.1 Europe Oligonucleotide Drug Delivery Consumption Value by Type (2018-2029)

7.2 Europe Oligonucleotide Drug Delivery Consumption Value by Application (2018-2029)

7.3 Europe Oligonucleotide Drug Delivery Market Size by Country

7.3.1 Europe Oligonucleotide Drug Delivery Consumption Value by Country (2018-2029)

7.3.2 Germany Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

7.3.3 France Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

7.3.4 United Kingdom Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

7.3.5 Russia Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

7.3.6 Italy Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

8 ASIA-PACIFIC

8.1 Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Type (2018-2029)

8.2 Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Application (2018-2029)

8.3 Asia-Pacific Oligonucleotide Drug Delivery Market Size by Region

8.3.1 Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Region (2018-2029)

8.3.2 China Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

8.3.3 Japan Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

8.3.4 South Korea Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

8.3.5 India Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

8.3.6 Southeast Asia Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

8.3.7 Australia Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

9 SOUTH AMERICA

9.1 South America Oligonucleotide Drug Delivery Consumption Value by Type (2018-2029)

9.2 South America Oligonucleotide Drug Delivery Consumption Value by Application (2018-2029)

9.3 South America Oligonucleotide Drug Delivery Market Size by Country

9.3.1 South America Oligonucleotide Drug Delivery Consumption Value by Country (2018-2029)

9.3.2 Brazil Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

9.3.3 Argentina Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

10 MIDDLE EAST & AFRICA

10.1 Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Type (2018-2029)

10.2 Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Application (2018-2029)

10.3 Middle East & Africa Oligonucleotide Drug Delivery Market Size by Country

10.3.1 Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Country (2018-2029)

10.3.2 Turkey Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

10.3.3 Saudi Arabia Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

10.3.4 UAE Oligonucleotide Drug Delivery Market Size and Forecast (2018-2029)

11 MARKET DYNAMICS

11.1 Oligonucleotide Drug Delivery Market Drivers

11.2 Oligonucleotide Drug Delivery Market Restraints

11.3 Oligonucleotide Drug Delivery Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

12 INDUSTRY CHAIN ANALYSIS

12.1 Oligonucleotide Drug Delivery Industry Chain

12.2 Oligonucleotide Drug Delivery Upstream Analysis

12.3 Oligonucleotide Drug Delivery Midstream Analysis

12.4 Oligonucleotide Drug Delivery Downstream Analysis

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Oligonucleotide Drug Delivery Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Oligonucleotide Drug Delivery Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Global Oligonucleotide Drug Delivery Consumption Value by Region (2018-2023) & (USD Million)

Table 4. Global Oligonucleotide Drug Delivery Consumption Value by Region (2024-2029) & (USD Million)

Table 5. Sarepta Therapeutics Company Information, Head Office, and Major Competitors

Table 6. Sarepta Therapeutics Major Business

Table 7. Sarepta Therapeutics Oligonucleotide Drug Delivery Product and Solutions

Table 8. Sarepta Therapeutics Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 9. Sarepta Therapeutics Recent Developments and Future Plans

Table 10. Ionis Pharmaceuticals Company Information, Head Office, and Major Competitors

Table 11. Ionis Pharmaceuticals Major Business

Table 12. Ionis Pharmaceuticals Oligonucleotide Drug Delivery Product and Solutions

Table 13. Ionis Pharmaceuticals Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 14. Ionis Pharmaceuticals Recent Developments and Future Plans

Table 15. Alnylam Company Information, Head Office, and Major Competitors

Table 16. Alnylam Major Business

Table 17. Alnylam Oligonucleotide Drug Delivery Product and Solutions

Table 18. Alnylam Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 19. Alnylam Recent Developments and Future Plans

Table 20. Biogen Company Information, Head Office, and Major Competitors

Table 21. Biogen Major Business

Table 22. Biogen Oligonucleotide Drug Delivery Product and Solutions

Table 23. Biogen Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 24. Biogen Recent Developments and Future Plans

Table 25. Nippon Shinyaku Company Information, Head Office, and Major Competitors

- Table 26. Nippon Shinyaku Major Business
- Table 27. Nippon Shinyaku Oligonucleotide Drug Delivery Product and Solutions
- Table 28. Nippon Shinyaku Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 29. Nippon Shinyaku Recent Developments and Future Plans
- Table 30. Sobi Company Information, Head Office, and Major Competitors
- Table 31. Sobi Major Business
- Table 32. Sobi Oligonucleotide Drug Delivery Product and Solutions
- Table 33. Sobi Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 34. Sobi Recent Developments and Future Plans
- Table 35. Novartis Company Information, Head Office, and Major Competitors
- Table 36. Novartis Major Business
- Table 37. Novartis Oligonucleotide Drug Delivery Product and Solutions
- Table 38. Novartis Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 39. Novartis Recent Developments and Future Plans
- Table 40. BioNTech Company Information, Head Office, and Major Competitors
- Table 41. BioNTech Major Business
- Table 42. BioNTech Oligonucleotide Drug Delivery Product and Solutions
- Table 43. BioNTech Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 44. BioNTech Recent Developments and Future Plans
- Table 45. Pfizer Company Information, Head Office, and Major Competitors
- Table 46. Pfizer Major Business
- Table 47. Pfizer Oligonucleotide Drug Delivery Product and Solutions
- Table 48. Pfizer Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 49. Pfizer Recent Developments and Future Plans
- Table 50. Moderna Therapeutics Company Information, Head Office, and Major Competitors
- Table 51. Moderna Therapeutics Major Business
- Table 52. Moderna Therapeutics Oligonucleotide Drug Delivery Product and Solutions
- Table 53. Moderna Therapeutics Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 54. Moderna Therapeutics Recent Developments and Future Plans
- Table 55. Jazz Pharmaceuticals Company Information, Head Office, and Major Competitors
- Table 56. Jazz Pharmaceuticals Major Business

- Table 57. Jazz Pharmaceuticals Oligonucleotide Drug Delivery Product and Solutions
- Table 58. Jazz Pharmaceuticals Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 59. Jazz Pharmaceuticals Recent Developments and Future Plans
- Table 60. CureVac Company Information, Head Office, and Major Competitors
- Table 61. CureVac Major Business
- Table 62. CureVac Oligonucleotide Drug Delivery Product and Solutions
- Table 63. CureVac Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 64. CureVac Recent Developments and Future Plans
- Table 65. Regulus Therapeutics Company Information, Head Office, and Major Competitors
- Table 66. Regulus Therapeutics Major Business
- Table 67. Regulus Therapeutics Oligonucleotide Drug Delivery Product and Solutions
- Table 68. Regulus Therapeutics Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 69. Regulus Therapeutics Recent Developments and Future Plans
- Table 70. ProQR Company Information, Head Office, and Major Competitors
- Table 71. ProQR Major Business
- Table 72. ProQR Oligonucleotide Drug Delivery Product and Solutions
- Table 73. ProQR Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 74. ProQR Recent Developments and Future Plans
- Table 75. Secarna Company Information, Head Office, and Major Competitors
- Table 76. Secarna Major Business
- Table 77. Secarna Oligonucleotide Drug Delivery Product and Solutions
- Table 78. Secarna Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 79. Secarna Recent Developments and Future Plans
- Table 80. MiNA Therapeutics Company Information, Head Office, and Major Competitors
- Table 81. MiNA Therapeutics Major Business
- Table 82. MiNA Therapeutics Oligonucleotide Drug Delivery Product and Solutions
- Table 83. MiNA Therapeutics Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 84. MiNA Therapeutics Recent Developments and Future Plans
- Table 85. Sylentis Company Information, Head Office, and Major Competitors
- Table 86. Sylentis Major Business
- Table 87. Sylentis Oligonucleotide Drug Delivery Product and Solutions

- Table 88. Sylentis Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Sylentis Recent Developments and Future Plans
- Table 90. Arrowhead Company Information, Head Office, and Major Competitors
- Table 91. Arrowhead Major Business
- Table 92. Arrowhead Oligonucleotide Drug Delivery Product and Solutions
- Table 93. Arrowhead Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 94. Arrowhead Recent Developments and Future Plans
- Table 95. Silence Therapeutics Company Information, Head Office, and Major Competitors
- Table 96. Silence Therapeutics Major Business
- Table 97. Silence Therapeutics Oligonucleotide Drug Delivery Product and Solutions
- Table 98. Silence Therapeutics Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 99. Silence Therapeutics Recent Developments and Future Plans
- Table 100. Dicerna Company Information, Head Office, and Major Competitors
- Table 101. Dicerna Major Business
- Table 102. Dicerna Oligonucleotide Drug Delivery Product and Solutions
- Table 103. Dicerna Oligonucleotide Drug Delivery Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 104. Dicerna Recent Developments and Future Plans
- Table 105. Global Oligonucleotide Drug Delivery Revenue (USD Million) by Players (2018-2023)
- Table 106. Global Oligonucleotide Drug Delivery Revenue Share by Players (2018-2023)
- Table 107. Breakdown of Oligonucleotide Drug Delivery by Company Type (Tier 1, Tier 2, and Tier 3)
- Table 108. Market Position of Players in Oligonucleotide Drug Delivery, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2022
- Table 109. Head Office of Key Oligonucleotide Drug Delivery Players
- Table 110. Oligonucleotide Drug Delivery Market: Company Product Type Footprint
- Table 111. Oligonucleotide Drug Delivery Market: Company Product Application Footprint
- Table 112. Oligonucleotide Drug Delivery New Market Entrants and Barriers to Market Entry
- Table 113. Oligonucleotide Drug Delivery Mergers, Acquisition, Agreements, and Collaborations
- Table 114. Global Oligonucleotide Drug Delivery Consumption Value (USD Million) by

Type (2018-2023)

Table 115. Global Oligonucleotide Drug Delivery Consumption Value Share by Type (2018-2023)

Table 116. Global Oligonucleotide Drug Delivery Consumption Value Forecast by Type (2024-2029)

Table 117. Global Oligonucleotide Drug Delivery Consumption Value by Application (2018-2023)

Table 118. Global Oligonucleotide Drug Delivery Consumption Value Forecast by Application (2024-2029)

Table 119. North America Oligonucleotide Drug Delivery Consumption Value by Type (2018-2023) & (USD Million)

Table 120. North America Oligonucleotide Drug Delivery Consumption Value by Type (2024-2029) & (USD Million)

Table 121. North America Oligonucleotide Drug Delivery Consumption Value by Application (2018-2023) & (USD Million)

Table 122. North America Oligonucleotide Drug Delivery Consumption Value by Application (2024-2029) & (USD Million)

Table 123. North America Oligonucleotide Drug Delivery Consumption Value by Country (2018-2023) & (USD Million)

Table 124. North America Oligonucleotide Drug Delivery Consumption Value by Country (2024-2029) & (USD Million)

Table 125. Europe Oligonucleotide Drug Delivery Consumption Value by Type (2018-2023) & (USD Million)

Table 126. Europe Oligonucleotide Drug Delivery Consumption Value by Type (2024-2029) & (USD Million)

Table 127. Europe Oligonucleotide Drug Delivery Consumption Value by Application (2018-2023) & (USD Million)

Table 128. Europe Oligonucleotide Drug Delivery Consumption Value by Application (2024-2029) & (USD Million)

Table 129. Europe Oligonucleotide Drug Delivery Consumption Value by Country (2018-2023) & (USD Million)

Table 130. Europe Oligonucleotide Drug Delivery Consumption Value by Country (2024-2029) & (USD Million)

Table 131. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Type (2018-2023) & (USD Million)

Table 132. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Type (2024-2029) & (USD Million)

Table 133. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Application (2018-2023) & (USD Million)

Table 134. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Application (2024-2029) & (USD Million)

Table 135. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Region (2018-2023) & (USD Million)

Table 136. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value by Region (2024-2029) & (USD Million)

Table 137. South America Oligonucleotide Drug Delivery Consumption Value by Type (2018-2023) & (USD Million)

Table 138. South America Oligonucleotide Drug Delivery Consumption Value by Type (2024-2029) & (USD Million)

Table 139. South America Oligonucleotide Drug Delivery Consumption Value by Application (2018-2023) & (USD Million)

Table 140. South America Oligonucleotide Drug Delivery Consumption Value by Application (2024-2029) & (USD Million)

Table 141. South America Oligonucleotide Drug Delivery Consumption Value by Country (2018-2023) & (USD Million)

Table 142. South America Oligonucleotide Drug Delivery Consumption Value by Country (2024-2029) & (USD Million)

Table 143. Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Type (2018-2023) & (USD Million)

Table 144. Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Type (2024-2029) & (USD Million)

Table 145. Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Application (2018-2023) & (USD Million)

Table 146. Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Application (2024-2029) & (USD Million)

Table 147. Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Country (2018-2023) & (USD Million)

Table 148. Middle East & Africa Oligonucleotide Drug Delivery Consumption Value by Country (2024-2029) & (USD Million)

Table 149. Oligonucleotide Drug Delivery Raw Material

Table 150. Key Suppliers of Oligonucleotide Drug Delivery Raw Materials

List Of Figures

LIST OF FIGURES

Figure 1. Oligonucleotide Drug Delivery Picture

Figure 2. Global Oligonucleotide Drug Delivery Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Oligonucleotide Drug Delivery Consumption Value Market Share by Type in 2022

Figure 4. Antisense Oligonucleotides (ASO)

Figure 5. siRNA

Figure 6. mRNA

Figure 7. Global Oligonucleotide Drug Delivery Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 8. Oligonucleotide Drug Delivery Consumption Value Market Share by Application in 2022

Figure 9. Neuromuscular Diseases Picture

Figure 10. hATTR Picture

Figure 11. COVID-19 Picture

Figure 12. Other Picture

Figure 13. Global Oligonucleotide Drug Delivery Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 14. Global Oligonucleotide Drug Delivery Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 15. Global Market Oligonucleotide Drug Delivery Consumption Value (USD Million) Comparison by Region (2018 & 2022 & 2029)

Figure 16. Global Oligonucleotide Drug Delivery Consumption Value Market Share by Region (2018-2029)

Figure 17. Global Oligonucleotide Drug Delivery Consumption Value Market Share by Region in 2022

Figure 18. North America Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 19. Europe Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 20. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 21. South America Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 22. Middle East and Africa Oligonucleotide Drug Delivery Consumption Value

(2018-2029) & (USD Million)

Figure 23. Global Oligonucleotide Drug Delivery Revenue Share by Players in 2022

Figure 24. Oligonucleotide Drug Delivery Market Share by Company Type (Tier 1, Tier 2 and Tier 3) in 2022

Figure 25. Global Top 3 Players Oligonucleotide Drug Delivery Market Share in 2022

Figure 26. Global Top 6 Players Oligonucleotide Drug Delivery Market Share in 2022

Figure 27. Global Oligonucleotide Drug Delivery Consumption Value Share by Type (2018-2023)

Figure 28. Global Oligonucleotide Drug Delivery Market Share Forecast by Type (2024-2029)

Figure 29. Global Oligonucleotide Drug Delivery Consumption Value Share by Application (2018-2023)

Figure 30. Global Oligonucleotide Drug Delivery Market Share Forecast by Application (2024-2029)

Figure 31. North America Oligonucleotide Drug Delivery Consumption Value Market Share by Type (2018-2029)

Figure 32. North America Oligonucleotide Drug Delivery Consumption Value Market Share by Application (2018-2029)

Figure 33. North America Oligonucleotide Drug Delivery Consumption Value Market Share by Country (2018-2029)

Figure 34. United States Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 35. Canada Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 36. Mexico Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 37. Europe Oligonucleotide Drug Delivery Consumption Value Market Share by Type (2018-2029)

Figure 38. Europe Oligonucleotide Drug Delivery Consumption Value Market Share by Application (2018-2029)

Figure 39. Europe Oligonucleotide Drug Delivery Consumption Value Market Share by Country (2018-2029)

Figure 40. Germany Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 41. France Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 42. United Kingdom Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 43. Russia Oligonucleotide Drug Delivery Consumption Value (2018-2029) &

(USD Million)

Figure 44. Italy Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 45. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value Market Share by Type (2018-2029)

Figure 46. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value Market Share by Application (2018-2029)

Figure 47. Asia-Pacific Oligonucleotide Drug Delivery Consumption Value Market Share by Region (2018-2029)

Figure 48. China Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 49. Japan Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 50. South Korea Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 51. India Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 52. Southeast Asia Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 53. Australia Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 54. South America Oligonucleotide Drug Delivery Consumption Value Market Share by Type (2018-2029)

Figure 55. South America Oligonucleotide Drug Delivery Consumption Value Market Share by Application (2018-2029)

Figure 56. South America Oligonucleotide Drug Delivery Consumption Value Market Share by Country (2018-2029)

Figure 57. Brazil Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 58. Argentina Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 59. Middle East and Africa Oligonucleotide Drug Delivery Consumption Value Market Share by Type (2018-2029)

Figure 60. Middle East and Africa Oligonucleotide Drug Delivery Consumption Value Market Share by Application (2018-2029)

Figure 61. Middle East and Africa Oligonucleotide Drug Delivery Consumption Value Market Share by Country (2018-2029)

Figure 62. Turkey Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 63. Saudi Arabia Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 64. UAE Oligonucleotide Drug Delivery Consumption Value (2018-2029) & (USD Million)

Figure 65. Oligonucleotide Drug Delivery Market Drivers

Figure 66. Oligonucleotide Drug Delivery Market Restraints

Figure 67. Oligonucleotide Drug Delivery Market Trends

Figure 68. Porters Five Forces Analysis

Figure 69. Manufacturing Cost Structure Analysis of Oligonucleotide Drug Delivery in 2022

Figure 70. Manufacturing Process Analysis of Oligonucleotide Drug Delivery

Figure 71. Oligonucleotide Drug Delivery Industrial Chain

Figure 72. Methodology

Figure 73. Research Process and Data Source

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