

# Global Hirudin 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 Hirudin market size was valued at US\$ 4467 million in 2025 and is forecast to a readjusted size of US\$ 5491 million by 2032 with a CAGR of 3.0% during review period.

Hirudin is a potent anticoagulant protein originally derived from the salivary glands of the medicinal leech (*Hirudo medicinalis*). Its mechanism of action involves directly binding to thrombin, the enzyme responsible for converting fibrinogen into fibrin during the clotting process, thus preventing blood coagulation. This unique property makes hirudin a highly effective anticoagulant, especially in patients at risk of thrombus formation. With the advancement of biotechnology, the production of hirudin has shifted from being sourced directly from leeches to large-scale synthesis through recombinant DNA technology in laboratories. Currently, hirudin is primarily used in the treatment of thrombotic conditions such as deep vein thrombosis (DVT), pulmonary embolism, and certain types of strokes. It is considered an effective alternative for patients who are allergic or intolerant to traditional anticoagulants like heparin. Over the years, with increasing research into hirudin's applications, various derivatives and related drugs, such as lepirudin and desirudin, have been developed, broadening its clinical use.

The market development of hirudin is driven by several factors. Firstly, the growing global demand for the treatment of thrombotic diseases, particularly among cardiovascular patients and post-surgical individuals, presents significant opportunities for hirudin and its derivatives. With the aging population and the increasing prevalence of thrombotic and vascular diseases, there is a rising demand for effective anticoagulants. Secondly, hirudin's unique mechanism of action offers advantages in treating certain conditions, particularly for patients who are allergic to traditional anticoagulants like heparin, further driving the market for hirudin products.

However, the hirudin market faces challenges and risks. The production cost remains high, particularly in the early stages when biotechnology was not fully developed, limiting its widespread use. Additionally, although hirudin has strong anticoagulant effects, its use requires careful monitoring of the patient's coagulation function to prevent the risk of bleeding.

In terms of market concentration, as production technologies for hirudin mature, the market has become more concentrated in the hands of a few large pharmaceutical companies that maintain their market share through acquisitions, research and development, and patented technologies. The downstream demand trend is diversifying, with hirudin finding applications not only in traditional thrombotic disease treatment but also in other coagulation disorders and post-surgical care. Recent technological advances include the recombinant production of hirudin using genetic engineering, which has significantly improved production efficiency and lowered costs, potentially expanding the use of hirudin in the future.

This report is a detailed and comprehensive analysis for global Hirudin 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 Hirudin market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Hirudin market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Hirudin market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Hirudin market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 Hirudin

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 Hirudin 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 Novartis, Teva Pharmaceuticals, Pfizer, Inc, Pentapharm, DUOPUTAI, Abbott, Keyken, Minapharm, Salubris Bio, Hoechst AG, etc.

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

**Market Segmentation**

Hirudin 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**

Natural Hirudin

Recombinant Hirudin

**Market segment by Application**

Thrombosis Disease

Tumor Disease

Others

**Major players covered**

Novartis

Teva Pharmaceuticals

Pfizer, Inc

Pentapharm

DUOPUTAI

Abbott

Keyken

Minapharm

Salubris Bio

Hoechst AG

Ciba-Geigy

Boehringer Ingelheim

Sanofi

Xellia Pharmaceuticals

Haplogen Pharmaceuticals

Shenzhen Kangtai Biological

Dong-A ST

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 Hirudin product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hirudin, with price, sales quantity, revenue, and global market share of Hirudin from 2021 to 2026.

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

Chapter 4, the Hirudin 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 Hirudin 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 Hirudin.

Chapter 14 and 15, to describe Hirudin sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Hirudin Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Natural Hirudin

1.3.3 Recombinant Hirudin

1.4 Market Analysis by Application

1.4.1 Overview: Global Hirudin Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.4.2 Thrombosis Disease

1.4.3 Tumor Disease

1.4.4 Others

1.5 Global Hirudin Market Size & Forecast

1.5.1 Global Hirudin Consumption Value (2021 & 2025 & 2032)

1.5.2 Global Hirudin Sales Quantity (2021-2032)

1.5.3 Global Hirudin Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

2.1 Novartis

2.1.1 Novartis Details

2.1.2 Novartis Major Business

2.1.3 Novartis Hirudin Product and Services

2.1.4 Novartis Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Novartis Recent Developments/Updates

2.2 Teva Pharmaceuticals

2.2.1 Teva Pharmaceuticals Details

2.2.2 Teva Pharmaceuticals Major Business

2.2.3 Teva Pharmaceuticals Hirudin Product and Services

2.2.4 Teva Pharmaceuticals Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Teva Pharmaceuticals Recent Developments/Updates

2.3 Pfizer, Inc

- 2.3.1 Pfizer, Inc Details
- 2.3.2 Pfizer, Inc Major Business
- 2.3.3 Pfizer, Inc Hirudin Product and Services
- 2.3.4 Pfizer, Inc Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.3.5 Pfizer, Inc Recent Developments/Updates
- 2.4 Pentapharm
  - 2.4.1 Pentapharm Details
  - 2.4.2 Pentapharm Major Business
  - 2.4.3 Pentapharm Hirudin Product and Services
  - 2.4.4 Pentapharm Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 Pentapharm Recent Developments/Updates
- 2.5 DUOPUTAI
  - 2.5.1 DUOPUTAI Details
  - 2.5.2 DUOPUTAI Major Business
  - 2.5.3 DUOPUTAI Hirudin Product and Services
  - 2.5.4 DUOPUTAI Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 DUOPUTAI Recent Developments/Updates
- 2.6 Abbott
  - 2.6.1 Abbott Details
  - 2.6.2 Abbott Major Business
  - 2.6.3 Abbott Hirudin Product and Services
  - 2.6.4 Abbott Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.6.5 Abbott Recent Developments/Updates
- 2.7 Keyken
  - 2.7.1 Keyken Details
  - 2.7.2 Keyken Major Business
  - 2.7.3 Keyken Hirudin Product and Services
  - 2.7.4 Keyken Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.7.5 Keyken Recent Developments/Updates
- 2.8 Minapharm
  - 2.8.1 Minapharm Details
  - 2.8.2 Minapharm Major Business
  - 2.8.3 Minapharm Hirudin Product and Services
  - 2.8.4 Minapharm Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and

## Market Share (2021-2026)

### 2.8.5 Minapharm Recent Developments/Updates

## 2.9 Salubris Bio

### 2.9.1 Salubris Bio Details

### 2.9.2 Salubris Bio Major Business

### 2.9.3 Salubris Bio Hirudin Product and Services

### 2.9.4 Salubris Bio Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and

## Market Share (2021-2026)

### 2.9.5 Salubris Bio Recent Developments/Updates

## 2.10 Hoechst AG

### 2.10.1 Hoechst AG Details

### 2.10.2 Hoechst AG Major Business

### 2.10.3 Hoechst AG Hirudin Product and Services

### 2.10.4 Hoechst AG Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.10.5 Hoechst AG Recent Developments/Updates

## 2.11 Ciba-Geigy

### 2.11.1 Ciba-Geigy Details

### 2.11.2 Ciba-Geigy Major Business

### 2.11.3 Ciba-Geigy Hirudin Product and Services

### 2.11.4 Ciba-Geigy Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.11.5 Ciba-Geigy Recent Developments/Updates

## 2.12 Boehringer Ingelheim

### 2.12.1 Boehringer Ingelheim Details

### 2.12.2 Boehringer Ingelheim Major Business

### 2.12.3 Boehringer Ingelheim Hirudin Product and Services

### 2.12.4 Boehringer Ingelheim Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.12.5 Boehringer Ingelheim Recent Developments/Updates

## 2.13 Sanofi

### 2.13.1 Sanofi Details

### 2.13.2 Sanofi Major Business

### 2.13.3 Sanofi Hirudin Product and Services

### 2.13.4 Sanofi Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.13.5 Sanofi Recent Developments/Updates

## 2.14 Xellia Pharmaceuticals

### 2.14.1 Xellia Pharmaceuticals Details

- 2.14.2 Xellia Pharmaceuticals Major Business
- 2.14.3 Xellia Pharmaceuticals Hirudin Product and Services
- 2.14.4 Xellia Pharmaceuticals Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.14.5 Xellia Pharmaceuticals Recent Developments/Updates
- 2.15 Haplogen Pharmaceuticals
  - 2.15.1 Haplogen Pharmaceuticals Details
  - 2.15.2 Haplogen Pharmaceuticals Major Business
  - 2.15.3 Haplogen Pharmaceuticals Hirudin Product and Services
  - 2.15.4 Haplogen Pharmaceuticals Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.15.5 Haplogen Pharmaceuticals Recent Developments/Updates
- 2.16 Shenzhen Kangtai Biological
  - 2.16.1 Shenzhen Kangtai Biological Details
  - 2.16.2 Shenzhen Kangtai Biological Major Business
  - 2.16.3 Shenzhen Kangtai Biological Hirudin Product and Services
  - 2.16.4 Shenzhen Kangtai Biological Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.16.5 Shenzhen Kangtai Biological Recent Developments/Updates
- 2.17 Dong-A ST
  - 2.17.1 Dong-A ST Details
  - 2.17.2 Dong-A ST Major Business
  - 2.17.3 Dong-A ST Hirudin Product and Services
  - 2.17.4 Dong-A ST Hirudin Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.17.5 Dong-A ST Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: HIRUDIN BY MANUFACTURER**

- 3.1 Global Hirudin Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Hirudin Revenue by Manufacturer (2021-2026)
- 3.3 Global Hirudin Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
  - 3.4.1 Producer Shipments of Hirudin by Manufacturer Revenue (\$MM) and Market Share (%): 2025
  - 3.4.2 Top 3 Hirudin Manufacturer Market Share in 2025
  - 3.4.3 Top 6 Hirudin Manufacturer Market Share in 2025
- 3.5 Hirudin Market: Overall Company Footprint Analysis
  - 3.5.1 Hirudin Market: Region Footprint

- 3.5.2 Hirudin Market: Company Product Type Footprint
- 3.5.3 Hirudin Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Hirudin Market Size by Region
  - 4.1.1 Global Hirudin Sales Quantity by Region (2021-2032)
  - 4.1.2 Global Hirudin Consumption Value by Region (2021-2032)
  - 4.1.3 Global Hirudin Average Price by Region (2021-2032)
- 4.2 North America Hirudin Consumption Value (2021-2032)
- 4.3 Europe Hirudin Consumption Value (2021-2032)
- 4.4 Asia-Pacific Hirudin Consumption Value (2021-2032)
- 4.5 South America Hirudin Consumption Value (2021-2032)
- 4.6 Middle East & Africa Hirudin Consumption Value (2021-2032)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Hirudin Sales Quantity by Type (2021-2032)
- 5.2 Global Hirudin Consumption Value by Type (2021-2032)
- 5.3 Global Hirudin Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Hirudin Sales Quantity by Application (2021-2032)
- 6.2 Global Hirudin Consumption Value by Application (2021-2032)
- 6.3 Global Hirudin Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America Hirudin Sales Quantity by Type (2021-2032)
- 7.2 North America Hirudin Sales Quantity by Application (2021-2032)
- 7.3 North America Hirudin Market Size by Country
  - 7.3.1 North America Hirudin Sales Quantity by Country (2021-2032)
  - 7.3.2 North America Hirudin Consumption Value by Country (2021-2032)
  - 7.3.3 United States Market Size and Forecast (2021-2032)
  - 7.3.4 Canada Market Size and Forecast (2021-2032)
  - 7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

- 8.1 Europe Hirudin Sales Quantity by Type (2021-2032)
- 8.2 Europe Hirudin Sales Quantity by Application (2021-2032)
- 8.3 Europe Hirudin Market Size by Country
  - 8.3.1 Europe Hirudin Sales Quantity by Country (2021-2032)
  - 8.3.2 Europe Hirudin Consumption Value by Country (2021-2032)
  - 8.3.3 Germany Market Size and Forecast (2021-2032)
  - 8.3.4 France Market Size and Forecast (2021-2032)
  - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
  - 8.3.6 Russia Market Size and Forecast (2021-2032)
  - 8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Hirudin Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Hirudin Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Hirudin Market Size by Region
  - 9.3.1 Asia-Pacific Hirudin Sales Quantity by Region (2021-2032)
  - 9.3.2 Asia-Pacific Hirudin Consumption Value by Region (2021-2032)
  - 9.3.3 China Market Size and Forecast (2021-2032)
  - 9.3.4 Japan Market Size and Forecast (2021-2032)
  - 9.3.5 South Korea Market Size and Forecast (2021-2032)
  - 9.3.6 India Market Size and Forecast (2021-2032)
  - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
  - 9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

- 10.1 South America Hirudin Sales Quantity by Type (2021-2032)
- 10.2 South America Hirudin Sales Quantity by Application (2021-2032)
- 10.3 South America Hirudin Market Size by Country
  - 10.3.1 South America Hirudin Sales Quantity by Country (2021-2032)
  - 10.3.2 South America Hirudin Consumption Value by Country (2021-2032)
  - 10.3.3 Brazil Market Size and Forecast (2021-2032)
  - 10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Hirudin Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Hirudin Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Hirudin Market Size by Country
  - 11.3.1 Middle East & Africa Hirudin Sales Quantity by Country (2021-2032)
  - 11.3.2 Middle East & Africa Hirudin Consumption Value by Country (2021-2032)
  - 11.3.3 Turkey Market Size and Forecast (2021-2032)
  - 11.3.4 Egypt Market Size and Forecast (2021-2032)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
  - 11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

- 12.1 Hirudin Market Drivers
- 12.2 Hirudin Market Restraints
- 12.3 Hirudin Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Hirudin and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Hirudin
- 13.3 Hirudin Production Process
- 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Hirudin Typical Distributors
- 14.3 Hirudin Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Hirudin Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Hirudin Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 3. Novartis Basic Information, Manufacturing Base and Competitors

Table 4. Novartis Major Business

Table 5. Novartis Hirudin Product and Services

Table 6. Novartis Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 7. Novartis Recent Developments/Updates

Table 8. Teva Pharmaceuticals Basic Information, Manufacturing Base and Competitors

Table 9. Teva Pharmaceuticals Major Business

Table 10. Teva Pharmaceuticals Hirudin Product and Services

Table 11. Teva Pharmaceuticals Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 12. Teva Pharmaceuticals Recent Developments/Updates

Table 13. Pfizer, Inc Basic Information, Manufacturing Base and Competitors

Table 14. Pfizer, Inc Major Business

Table 15. Pfizer, Inc Hirudin Product and Services

Table 16. Pfizer, Inc Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 17. Pfizer, Inc Recent Developments/Updates

Table 18. Pentapharm Basic Information, Manufacturing Base and Competitors

Table 19. Pentapharm Major Business

Table 20. Pentapharm Hirudin Product and Services

Table 21. Pentapharm Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 22. Pentapharm Recent Developments/Updates

Table 23. DUOPUTAI Basic Information, Manufacturing Base and Competitors

Table 24. DUOPUTAI Major Business

Table 25. DUOPUTAI Hirudin Product and Services

Table 26. DUOPUTAI Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. DUOPUTAI Recent Developments/Updates

Table 28. Abbott Basic Information, Manufacturing Base and Competitors

Table 29. Abbott Major Business

Table 30. Abbott Hirudin Product and Services

Table 31. Abbott Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 32. Abbott Recent Developments/Updates

Table 33. Keyken Basic Information, Manufacturing Base and Competitors

Table 34. Keyken Major Business

Table 35. Keyken Hirudin Product and Services

Table 36. Keyken Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 37. Keyken Recent Developments/Updates

Table 38. Minapharm Basic Information, Manufacturing Base and Competitors

Table 39. Minapharm Major Business

Table 40. Minapharm Hirudin Product and Services

Table 41. Minapharm Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 42. Minapharm Recent Developments/Updates

Table 43. Salubris Bio Basic Information, Manufacturing Base and Competitors

Table 44. Salubris Bio Major Business

Table 45. Salubris Bio Hirudin Product and Services

Table 46. Salubris Bio Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 47. Salubris Bio Recent Developments/Updates

Table 48. Hoechst AG Basic Information, Manufacturing Base and Competitors

Table 49. Hoechst AG Major Business

Table 50. Hoechst AG Hirudin Product and Services

Table 51. Hoechst AG Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 52. Hoechst AG Recent Developments/Updates

Table 53. Ciba-Geigy Basic Information, Manufacturing Base and Competitors

Table 54. Ciba-Geigy Major Business

Table 55. Ciba-Geigy Hirudin Product and Services

Table 56. Ciba-Geigy Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 57. Ciba-Geigy Recent Developments/Updates

Table 58. Boehringer Ingelheim Basic Information, Manufacturing Base and Competitors

Table 59. Boehringer Ingelheim Major Business

Table 60. Boehringer Ingelheim Hirudin Product and Services

- Table 61. Boehringer Ingelheim Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 62. Boehringer Ingelheim Recent Developments/Updates
- Table 63. Sanofi Basic Information, Manufacturing Base and Competitors
- Table 64. Sanofi Major Business
- Table 65. Sanofi Hirudin Product and Services
- Table 66. Sanofi Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 67. Sanofi Recent Developments/Updates
- Table 68. Xellia Pharmaceuticals Basic Information, Manufacturing Base and Competitors
- Table 69. Xellia Pharmaceuticals Major Business
- Table 70. Xellia Pharmaceuticals Hirudin Product and Services
- Table 71. Xellia Pharmaceuticals Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 72. Xellia Pharmaceuticals Recent Developments/Updates
- Table 73. Haplogen Pharmaceuticals Basic Information, Manufacturing Base and Competitors
- Table 74. Haplogen Pharmaceuticals Major Business
- Table 75. Haplogen Pharmaceuticals Hirudin Product and Services
- Table 76. Haplogen Pharmaceuticals Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 77. Haplogen Pharmaceuticals Recent Developments/Updates
- Table 78. Shenzhen Kangtai Biological Basic Information, Manufacturing Base and Competitors
- Table 79. Shenzhen Kangtai Biological Major Business
- Table 80. Shenzhen Kangtai Biological Hirudin Product and Services
- Table 81. Shenzhen Kangtai Biological Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 82. Shenzhen Kangtai Biological Recent Developments/Updates
- Table 83. Dong-A ST Basic Information, Manufacturing Base and Competitors
- Table 84. Dong-A ST Major Business
- Table 85. Dong-A ST Hirudin Product and Services
- Table 86. Dong-A ST Hirudin Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 87. Dong-A ST Recent Developments/Updates
- Table 88. Global Hirudin Sales Quantity by Manufacturer (2021-2026) & (Tons)
- Table 89. Global Hirudin Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 90. Global Hirudin Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 91. Market Position of Manufacturers in Hirudin, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 92. Head Office and Hirudin Production Site of Key Manufacturer

Table 93. Hirudin Market: Company Product Type Footprint

Table 94. Hirudin Market: Company Product Application Footprint

Table 95. Hirudin New Market Entrants and Barriers to Market Entry

Table 96. Hirudin Mergers, Acquisition, Agreements, and Collaborations

Table 97. Global Hirudin Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 98. Global Hirudin Sales Quantity by Region (2021-2026) & (Tons)

Table 99. Global Hirudin Sales Quantity by Region (2027-2032) & (Tons)

Table 100. Global Hirudin Consumption Value by Region (2021-2026) & (USD Million)

Table 101. Global Hirudin Consumption Value by Region (2027-2032) & (USD Million)

Table 102. Global Hirudin Average Price by Region (2021-2026) & (US\$/kg)

Table 103. Global Hirudin Average Price by Region (2027-2032) & (US\$/kg)

Table 104. Global Hirudin Sales Quantity by Type (2021-2026) & (Tons)

Table 105. Global Hirudin Sales Quantity by Type (2027-2032) & (Tons)

Table 106. Global Hirudin Consumption Value by Type (2021-2026) & (USD Million)

Table 107. Global Hirudin Consumption Value by Type (2027-2032) & (USD Million)

Table 108. Global Hirudin Average Price by Type (2021-2026) & (US\$/kg)

Table 109. Global Hirudin Average Price by Type (2027-2032) & (US\$/kg)

Table 110. Global Hirudin Sales Quantity by Application (2021-2026) & (Tons)

Table 111. Global Hirudin Sales Quantity by Application (2027-2032) & (Tons)

Table 112. Global Hirudin Consumption Value by Application (2021-2026) & (USD Million)

Table 113. Global Hirudin Consumption Value by Application (2027-2032) & (USD Million)

Table 114. Global Hirudin Average Price by Application (2021-2026) & (US\$/kg)

Table 115. Global Hirudin Average Price by Application (2027-2032) & (US\$/kg)

Table 116. North America Hirudin Sales Quantity by Type (2021-2026) & (Tons)

Table 117. North America Hirudin Sales Quantity by Type (2027-2032) & (Tons)

Table 118. North America Hirudin Sales Quantity by Application (2021-2026) & (Tons)

Table 119. North America Hirudin Sales Quantity by Application (2027-2032) & (Tons)

Table 120. North America Hirudin Sales Quantity by Country (2021-2026) & (Tons)

Table 121. North America Hirudin Sales Quantity by Country (2027-2032) & (Tons)

Table 122. North America Hirudin Consumption Value by Country (2021-2026) & (USD Million)

Table 123. North America Hirudin Consumption Value by Country (2027-2032) & (USD Million)

- Table 124. Europe Hirudin Sales Quantity by Type (2021-2026) & (Tons)
- Table 125. Europe Hirudin Sales Quantity by Type (2027-2032) & (Tons)
- Table 126. Europe Hirudin Sales Quantity by Application (2021-2026) & (Tons)
- Table 127. Europe Hirudin Sales Quantity by Application (2027-2032) & (Tons)
- Table 128. Europe Hirudin Sales Quantity by Country (2021-2026) & (Tons)
- Table 129. Europe Hirudin Sales Quantity by Country (2027-2032) & (Tons)
- Table 130. Europe Hirudin Consumption Value by Country (2021-2026) & (USD Million)
- Table 131. Europe Hirudin Consumption Value by Country (2027-2032) & (USD Million)
- Table 132. Asia-Pacific Hirudin Sales Quantity by Type (2021-2026) & (Tons)
- Table 133. Asia-Pacific Hirudin Sales Quantity by Type (2027-2032) & (Tons)
- Table 134. Asia-Pacific Hirudin Sales Quantity by Application (2021-2026) & (Tons)
- Table 135. Asia-Pacific Hirudin Sales Quantity by Application (2027-2032) & (Tons)
- Table 136. Asia-Pacific Hirudin Sales Quantity by Region (2021-2026) & (Tons)
- Table 137. Asia-Pacific Hirudin Sales Quantity by Region (2027-2032) & (Tons)
- Table 138. Asia-Pacific Hirudin Consumption Value by Region (2021-2026) & (USD Million)
- Table 139. Asia-Pacific Hirudin Consumption Value by Region (2027-2032) & (USD Million)
- Table 140. South America Hirudin Sales Quantity by Type (2021-2026) & (Tons)
- Table 141. South America Hirudin Sales Quantity by Type (2027-2032) & (Tons)
- Table 142. South America Hirudin Sales Quantity by Application (2021-2026) & (Tons)
- Table 143. South America Hirudin Sales Quantity by Application (2027-2032) & (Tons)
- Table 144. South America Hirudin Sales Quantity by Country (2021-2026) & (Tons)
- Table 145. South America Hirudin Sales Quantity by Country (2027-2032) & (Tons)
- Table 146. South America Hirudin Consumption Value by Country (2021-2026) & (USD Million)
- Table 147. South America Hirudin Consumption Value by Country (2027-2032) & (USD Million)
- Table 148. Middle East & Africa Hirudin Sales Quantity by Type (2021-2026) & (Tons)
- Table 149. Middle East & Africa Hirudin Sales Quantity by Type (2027-2032) & (Tons)
- Table 150. Middle East & Africa Hirudin Sales Quantity by Application (2021-2026) & (Tons)
- Table 151. Middle East & Africa Hirudin Sales Quantity by Application (2027-2032) & (Tons)
- Table 152. Middle East & Africa Hirudin Sales Quantity by Country (2021-2026) & (Tons)
- Table 153. Middle East & Africa Hirudin Sales Quantity by Country (2027-2032) & (Tons)
- Table 154. Middle East & Africa Hirudin Consumption Value by Country (2021-2026) &

(USD Million)

Table 155. Middle East & Africa Hirudin Consumption Value by Country (2027-2032) &

(USD Million)

Table 156. Hirudin Raw Material

Table 157. Key Manufacturers of Hirudin Raw Materials

Table 158. Hirudin Typical Distributors

Table 159. Hirudin Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Hirudin Picture

Figure 2. Global Hirudin Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Hirudin Revenue Market Share by Type in 2025

Figure 4. Natural Hirudin Examples

Figure 5. Recombinant Hirudin Examples

Figure 6. Global Hirudin Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 7. Global Hirudin Revenue Market Share by Application in 2025

Figure 8. Thrombosis Disease Examples

Figure 9. Tumor Disease Examples

Figure 10. Others Examples

Figure 11. Global Hirudin Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 12. Global Hirudin Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 13. Global Hirudin Sales Quantity (2021-2032) & (Tons)

Figure 14. Global Hirudin Price (2021-2032) & (US\$/kg)

Figure 15. Global Hirudin Sales Quantity Market Share by Manufacturer in 2025

Figure 16. Global Hirudin Revenue Market Share by Manufacturer in 2025

Figure 17. Producer Shipments of Hirudin by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 18. Top 3 Hirudin Manufacturer (Revenue) Market Share in 2025

Figure 19. Top 6 Hirudin Manufacturer (Revenue) Market Share in 2025

Figure 20. Global Hirudin Sales Quantity Market Share by Region (2021-2032)

Figure 21. Global Hirudin Consumption Value Market Share by Region (2021-2032)

Figure 22. North America Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 23. Europe Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 24. Asia-Pacific Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 25. South America Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 26. Middle East & Africa Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 27. Global Hirudin Sales Quantity Market Share by Type (2021-2032)

Figure 28. Global Hirudin Consumption Value Market Share by Type (2021-2032)

Figure 29. Global Hirudin Average Price by Type (2021-2032) & (US\$/kg)

Figure 30. Global Hirudin Sales Quantity Market Share by Application (2021-2032)

Figure 31. Global Hirudin Revenue Market Share by Application (2021-2032)

- Figure 32. Global Hirudin Average Price by Application (2021-2032) & (US\$/kg)
- Figure 33. North America Hirudin Sales Quantity Market Share by Type (2021-2032)
- Figure 34. North America Hirudin Sales Quantity Market Share by Application (2021-2032)
- Figure 35. North America Hirudin Sales Quantity Market Share by Country (2021-2032)
- Figure 36. North America Hirudin Consumption Value Market Share by Country (2021-2032)
- Figure 37. United States Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 38. Canada Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 39. Mexico Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 40. Europe Hirudin Sales Quantity Market Share by Type (2021-2032)
- Figure 41. Europe Hirudin Sales Quantity Market Share by Application (2021-2032)
- Figure 42. Europe Hirudin Sales Quantity Market Share by Country (2021-2032)
- Figure 43. Europe Hirudin Consumption Value Market Share by Country (2021-2032)
- Figure 44. Germany Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 45. France Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 46. United Kingdom Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 47. Russia Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 48. Italy Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 49. Asia-Pacific Hirudin Sales Quantity Market Share by Type (2021-2032)
- Figure 50. Asia-Pacific Hirudin Sales Quantity Market Share by Application (2021-2032)
- Figure 51. Asia-Pacific Hirudin Sales Quantity Market Share by Region (2021-2032)
- Figure 52. Asia-Pacific Hirudin Consumption Value Market Share by Region (2021-2032)
- Figure 53. China Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 54. Japan Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 55. South Korea Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 56. India Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 57. Southeast Asia Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 58. Australia Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 59. South America Hirudin Sales Quantity Market Share by Type (2021-2032)
- Figure 60. South America Hirudin Sales Quantity Market Share by Application (2021-2032)
- Figure 61. South America Hirudin Sales Quantity Market Share by Country (2021-2032)
- Figure 62. South America Hirudin Consumption Value Market Share by Country (2021-2032)
- Figure 63. Brazil Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 64. Argentina Hirudin Consumption Value (2021-2032) & (USD Million)
- Figure 65. Middle East & Africa Hirudin Sales Quantity Market Share by Type

(2021-2032)

Figure 66. Middle East & Africa Hirudin Sales Quantity Market Share by Application

(2021-2032)

Figure 67. Middle East & Africa Hirudin Sales Quantity Market Share by Country

(2021-2032)

Figure 68. Middle East & Africa Hirudin Consumption Value Market Share by Country

(2021-2032)

Figure 69. Turkey Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 70. Egypt Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 71. Saudi Arabia Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 72. South Africa Hirudin Consumption Value (2021-2032) & (USD Million)

Figure 73. Hirudin Market Drivers

Figure 74. Hirudin Market Restraints

Figure 75. Hirudin Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Hirudin in 2025

Figure 78. Manufacturing Process Analysis of Hirudin

Figure 79. Hirudin Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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