

Global Boron for Injection Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Boron for Injection market size is expected to reach \$ 131 million by 2032, rising at a market growth of 10.7% CAGR during the forecast period (2026-2032).

Boron for Injection is the core drug used in boron neutron capture therapy (BNCT), and its main component is the boron-10 isotope. During treatment, the boron drug is first injected into the patient's body. This drug selectively accumulates in tumor cells, acting as 'bullets' for marking. Subsequently, the tumor site is irradiated with a neutron beam. The boron-10 'captures' the neutrons and undergoes a nuclear reaction, releasing highly lethal particles with extremely short ranges, thereby precisely destroying cancer cells while avoiding damage to surrounding healthy tissue, achieving 'targeted radiotherapy' at the cellular level.

The development prospects of Boron for Injection are broad. Clinical indications are expanding from gliomas and head and neck cancers to more cancer types such as liver and lung cancer. Technological advancements are the core driving force. Third-generation boron drugs, represented by nanomedicines and peptide/antibody conjugates, are under development, aiming to achieve higher tumor targeting and enrichment. The industrial ecosystem is rapidly taking shape. my country has successfully developed its own BNCT treatment device, and domestically produced boron drugs have entered the clinical trial stage, marking the rapid industrialization of 'drug-device synergy.'

This report studies the global Boron for Injection demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Boron for

Injection, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Boron for Injection that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Boron for Injection total market, 2021-2032, (USD Million)

Global Boron for Injection total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Boron for Injection total market, key domestic companies, and share, (USD Million)

Global Boron for Injection revenue by player, revenue and market share 2021-2026, (USD Million)

Global Boron for Injection total market by Drug Stage, CAGR, 2021-2032, (USD Million)

Global Boron for Injection total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Boron for Injection market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Stella Pharma, China National Nuclear Corporation, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Boron for Injection market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Drug Stage, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Boron for Injection Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Boron for Injection Market, Segmentation by Drug Stage:

Formally Approved Drug

Clinical Stage Drug

Global Boron for Injection Market, Segmentation by Chemical Structure:

Small Molecule Boron Compounds

Biomacromolecules/Nanocarriers

Global Boron for Injection Market, Segmentation by Application:

Brain Tumors

Skin Tumors

Others

Companies Profiled:

Stella Pharma

China National Nuclear Corporation

Key Questions Answered

1. How big is the global Boron for Injection market?
2. What is the demand of the global Boron for Injection market?
3. What is the year over year growth of the global Boron for Injection market?
4. What is the total value of the global Boron for Injection market?
5. Who are the Major Players in the global Boron for Injection market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Boron for Injection Introduction
- 1.2 World Boron for Injection Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Boron for Injection Total Market by Region (by Headquarter Location)
 - 1.3.1 World Boron for Injection Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company Boron for Injection Revenue (2021-2032)
 - 1.3.3 China Based Company Boron for Injection Revenue (2021-2032)
 - 1.3.4 Europe Based Company Boron for Injection Revenue (2021-2032)
 - 1.3.5 Japan Based Company Boron for Injection Revenue (2021-2032)
 - 1.3.6 South Korea Based Company Boron for Injection Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company Boron for Injection Revenue (2021-2032)
 - 1.3.8 India Based Company Boron for Injection Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Boron for Injection Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Boron for Injection Consumption Value (2021-2032)
- 2.2 World Boron for Injection Consumption Value by Region
 - 2.2.1 World Boron for Injection Consumption Value by Region (2021-2026)
 - 2.2.2 World Boron for Injection Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Boron for Injection Consumption Value (2021-2032)
- 2.4 China Boron for Injection Consumption Value (2021-2032)
- 2.5 Europe Boron for Injection Consumption Value (2021-2032)
- 2.6 Japan Boron for Injection Consumption Value (2021-2032)
- 2.7 South Korea Boron for Injection Consumption Value (2021-2032)
- 2.8 ASEAN Boron for Injection Consumption Value (2021-2032)
- 2.9 India Boron for Injection Consumption Value (2021-2032)

3 WORLD BORON FOR INJECTION COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Boron for Injection Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)

- 3.2.1 Global Boron for Injection Industry Rank of Major Players
- 3.2.2 Global Concentration Ratios (CR4) for Boron for Injection in 2025
- 3.2.3 Global Concentration Ratios (CR8) for Boron for Injection in 2025
- 3.3 Boron for Injection Company Evaluation Quadrant
- 3.4 Boron for Injection Market: Overall Company Footprint Analysis
 - 3.4.1 Boron for Injection Market: Region Footprint
 - 3.4.2 Boron for Injection Market: Company Product Type Footprint
 - 3.4.3 Boron for Injection Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: Boron for Injection Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: Boron for Injection Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: Boron for Injection Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Boron for Injection Consumption Value Comparison
 - 4.2.1 United States VS China: Boron for Injection Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Boron for Injection Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based Boron for Injection Companies and Market Share, 2021-2026
 - 4.3.1 United States Based Boron for Injection Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies Boron for Injection Revenue, (2021-2026)
- 4.4 China Based Companies Boron for Injection Revenue and Market Share, 2021-2026
 - 4.4.1 China Based Boron for Injection Companies, Company Headquarters (Province, Country)
 - 4.4.2 China Based Companies Boron for Injection Revenue, (2021-2026)
- 4.5 Rest of World Based Boron for Injection Companies and Market Share, 2021-2026
 - 4.5.1 Rest of World Based Boron for Injection Companies, Headquarters (Province,

Country)

4.5.2 Rest of World Based Companies Boron for Injection Revenue (2021-2026)

5 MARKET ANALYSIS BY DRUG STAGE

5.1 World Boron for Injection Market Size Overview by Drug Stage: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Drug Stage

5.2.1 Formally Approved Drug

5.2.2 Clinical Stage Drug

5.3 Market Segment by Drug Stage

5.3.1 World Boron for Injection Market Size by Drug Stage (2021-2026)

5.3.2 World Boron for Injection Market Size by Drug Stage (2027-2032)

5.3.3 World Boron for Injection Market Size Market Share by Drug Stage (2027-2032)

6 MARKET ANALYSIS BY CHEMICAL STRUCTURE

6.1 World Boron for Injection Market Size Overview by Chemical Structure: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Chemical Structure

6.2.1 Small Molecule Boron Compounds

6.2.2 Biomacromolecules/Nanocarriers

6.3 Market Segment by Chemical Structure

6.3.1 World Boron for Injection Market Size by Chemical Structure (2021-2026)

6.3.2 World Boron for Injection Market Size by Chemical Structure (2027-2032)

6.3.3 World Boron for Injection Market Size Market Share by Chemical Structure (2027-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Boron for Injection Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Brain Tumors

7.2.2 Skin Tumors

7.2.3 Others

7.3 Market Segment by Application

7.3.1 World Boron for Injection Market Size by Application (2021-2026)

7.3.2 World Boron for Injection Market Size by Application (2027-2032)

7.3.3 World Boron for Injection Market Size Market Share by Application (2021-2032)

8 COMPANY PROFILES

8.1 Stella Pharma

8.1.1 Stella Pharma Details

8.1.2 Stella Pharma Major Business

8.1.3 Stella Pharma Boron for Injection Product and Services

8.1.4 Stella Pharma Boron for Injection Revenue, Gross Margin and Market Share (2021-2026)

8.1.5 Stella Pharma Recent Developments/Updates

8.1.6 Stella Pharma Competitive Strengths & Weaknesses

8.2 China National Nuclear Corporation

8.2.1 China National Nuclear Corporation Details

8.2.2 China National Nuclear Corporation Major Business

8.2.3 China National Nuclear Corporation Boron for Injection Product and Services

8.2.4 China National Nuclear Corporation Boron for Injection Revenue, Gross Margin and Market Share (2021-2026)

8.2.5 China National Nuclear Corporation Recent Developments/Updates

8.2.6 China National Nuclear Corporation Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Boron for Injection Industry Chain

9.2 Boron for Injection Upstream Analysis

9.3 Boron for Injection Midstream Analysis

9.4 Boron for Injection Downstream Analysis

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World Boron for Injection Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)
- Table 2. World Boron for Injection Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)
- Table 3. World Boron for Injection Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)
- Table 4. World Boron for Injection Revenue Market Share by Region (2021-2026), (by Headquarter Location)
- Table 5. World Boron for Injection Revenue Market Share by Region (2027-2032), (by Headquarter Location)
- Table 6. Major Market Trends
- Table 7. World Boron for Injection Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)
- Table 8. World Boron for Injection Consumption Value by Region (2021-2026) & (USD Million)
- Table 9. World Boron for Injection Consumption Value Forecast by Region (2027-2032) & (USD Million)
- Table 10. World Boron for Injection Revenue by Player (2021-2026) & (USD Million)
- Table 11. Revenue Market Share of Key Boron for Injection Players in 2025
- Table 12. World Boron for Injection Industry Rank of Major Player, Based on Revenue in 2025
- Table 13. Global Boron for Injection Company Evaluation Quadrant
- Table 14. Head Office of Key Boron for Injection Players
- Table 15. Boron for Injection Market: Company Product Type Footprint
- Table 16. Boron for Injection Market: Company Product Application Footprint
- Table 17. Boron for Injection Mergers & Acquisitions Activity
- Table 18. United States VS China Boron for Injection Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 19. United States VS China Boron for Injection Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 20. United States Based Boron for Injection Companies, Headquarters (States, Country)
- Table 21. United States Based Companies Boron for Injection Revenue, (2021-2026) & (USD Million)
- Table 22. United States Based Companies Boron for Injection Revenue Market Share

(2021-2026)

Table 23. China Based Boron for Injection Companies, Headquarters (Province, Country)

Table 24. China Based Companies Boron for Injection Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Boron for Injection Revenue Market Share (2021-2026)

Table 26. Rest of World Based Boron for Injection Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Boron for Injection Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Boron for Injection Revenue Market Share (2021-2026)

Table 29. World Boron for Injection Market Size by Drug Stage, (USD Million), 2021 & 2025 & 2032

Table 30. World Boron for Injection Market Size Value by Drug Stage (2021-2026) & (USD Million)

Table 31. World Boron for Injection Market Size by Drug Stage (2027-2032) & (USD Million)

Table 32. World Boron for Injection Market Size by Chemical Structure, (USD Million), 2021 & 2025 & 2032

Table 33. World Boron for Injection Market Size Value by Chemical Structure (2021-2026) & (USD Million)

Table 34. World Boron for Injection Market Size by Chemical Structure (2027-2032) & (USD Million)

Table 35. World Boron for Injection Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 36. World Boron for Injection Market Size by Application (2021-2026) & (USD Million)

Table 37. World Boron for Injection Market Size by Application (2027-2032) & (USD Million)

Table 38. Stella Pharma Basic Information, Manufacturing Base and Competitors

Table 39. Stella Pharma Major Business

Table 40. Stella Pharma Boron for Injection Product and Services

Table 41. Stella Pharma Boron for Injection Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 42. Stella Pharma Recent Developments/Updates

Table 43. Stella Pharma Competitive Strengths & Weaknesses

Table 44. China National Nuclear Corporation Basic Information, Manufacturing Base

and Competitors

Table 45. China National Nuclear Corporation Major Business

Table 46. China National Nuclear Corporation Boron for Injection Product and Services

Table 47. China National Nuclear Corporation Boron for Injection Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 48. China National Nuclear Corporation Recent Developments/Updates

Table 49. China National Nuclear Corporation Competitive Strengths & Weaknesses

Table 50. Global Key Players of Boron for Injection Upstream (Raw Materials)

Table 51. Global Boron for Injection Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Boron for Injection Picture

Figure 2. World Boron for Injection Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Boron for Injection Total Revenue (2021-2032) & (USD Million)

Figure 4. World Boron for Injection Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Boron for Injection Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Boron for Injection Revenue (2021-2032) & (USD Million)

Figure 13. Boron for Injection Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 16. World Boron for Injection Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 18. China Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 23. India Boron for Injection Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Boron for Injection by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Boron for Injection Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Boron for Injection Markets in 2025

Figure 27. United States VS China: Boron for Injection Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Boron for Injection Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Boron for Injection Market Size by Drug Stage, (USD Million), 2021 & 2025 & 2032

Figure 30. World Boron for Injection Market Size Market Share by Drug Stage in 2025

Figure 31. Formally Approved Drug

Figure 32. Clinical Stage Drug

Figure 33. World Boron for Injection Market Size Market Share by Drug Stage (2021-2032)

Figure 34. World Boron for Injection Market Size by Chemical Structure, (USD Million), 2021 & 2025 & 2032

Figure 35. World Boron for Injection Market Size Market Share by Chemical Structure in 2025

Figure 36. Small Molecule Boron Compounds

Figure 37. Biomacromolecules/Nanocarriers

Figure 38. World Boron for Injection Market Size Market Share by Chemical Structure (2021-2032)

Figure 39. World Boron for Injection Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 40. World Boron for Injection Market Size Market Share by Application in 2025

Figure 41. Brain Tumors

Figure 42. Skin Tumors

Figure 43. Others

Figure 44. World Boron for Injection Market Size Market Share by Application (2021-2032)

Figure 45. Boron for Injection Industrial Chain

Figure 46. Methodology

Figure 47. Research Process and Data Source

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