

Global Boron for Injection Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Boron for Injection market size is predicted to grow from US\$ 61.63 million in 2025 to US\$ 129 million in 2032; it is expected to grow at a CAGR of 11.4% from 2026 to 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.'

United States market for Boron for Injection is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Boron for Injection is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Boron for Injection is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Boron for Injection players cover Stella Pharma, China National Nuclear Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the "Boron for Injection Industry Forecast" looks at past sales and reviews total world Boron for Injection sales in 2025, providing a comprehensive analysis by region and market sector of projected Boron for Injection sales for 2026 through 2032. With Boron for Injection sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Boron for Injection industry.

This Insight Report provides a comprehensive analysis of the global Boron for Injection landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Boron for Injection portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Boron for Injection market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Boron for Injection and breaks down the forecast by Drug Stage, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Boron for Injection.

This report presents a comprehensive overview, market shares, and growth opportunities of Boron for Injection market by product type, application, key players and key regions and countries.

Segmentation by Drug Stage:

Formally Approved Drug

Clinical Stage Drug

Segmentation by Chemical Structure:

Small Molecule Boron Compounds

Biomacromolecules/Nanocarriers

Segmentation by Application:

Brain Tumors

Skin Tumors

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Stella Pharma

China National Nuclear Corporation

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