

Global Astatine-211 Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Astatine-211 market size will reach 8.97 Million USD in 2025 and is projected to reach 86.89 Million USD by 2032, with a CAGR of 38.32% (2025-2032). Notably, the China Astatine-211 market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Astatine-211 (At-211) is a rare and radioactive isotope of the element astatine, which is part of the halogen group in the periodic table. It is produced artificially through nuclear reactions, as natural astatine is extremely scarce. Astatine-211 has a half-life of around 7.2 hours, making it a short-lived isotope. Its most notable application is in targeted alpha-particle cancer therapy, due to the highly energetic alpha radiation it emits. This radiation has the ability to destroy cancer cells with minimal damage to surrounding healthy tissue, making Astatine-211 an attractive option for precision radiotherapy, particularly for the treatment of solid tumors. However, due to its rarity, high radioactivity, and short half-life, its use is largely experimental and limited to research settings, requiring specialized facilities for handling and medical applications. The unique properties of Astatine-211 offer potential in the field of nuclear medicine, particularly in developing novel cancer treatments.

The major global manufacturers of Astatine-211 include Ionetix, NIDC (DOE IP), Alpha Fusion Inc, RIKEN, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command

a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Astatine-211. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Astatine-211 market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Astatine-211 market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Astatine-211 industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Astatine-211 Include:

lonetix

NIDC (DOE IP)

Alpha Fusion Inc

RIKEN

Astatine-211 Product Segment Include:

Produced by Bombardment of Bismuth

Others

Astatine-211 Product Application Include:

Scientific Research

Cancer Therapy

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Astatine-211 Capacity and Production Analysis

Chapter 3: Global Astatine-211 Industry PESTEL Analysis

Chapter 4: Global Astatine-211 Industry Porter's Five Forces Analysis

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