

Global Thymic Peptide Immunomodulator Injections 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 Thymic Peptide Immunomodulator Injections market size was valued at US\$ 535 million in 2025 and is forecast to a readjusted size of US\$ 772 million by 2032 with a CAGR of 5.2% during review period.

Thymic Peptide Immunomodulator Injections refer to prescription injectable drugs based on thymus-derived or thymus-related immunomodulatory peptides, used mainly to regulate cellular immunity and support immune function in clinical settings. The category includes animal-thymus-extract peptide mixtures such as thymopolypeptides for injection, synthetic or defined thymic peptides such as thymopentin for injection, and thymosin alpha 1 / thymalfasin injections. These products are generally used in hospital settings as adjunctive immunomodulatory therapies for immune deficiency, infection-related immune dysfunction, chronic viral disease support, tumor supportive treatment and immune function recovery. In this report, the market mainly includes thymopolypeptides for injection, thymopentin for injection, thymalfasin for injection, thymosin alpha 1 injection and related thymic peptide injectable preparations. The 2025 benchmark ASP is US\$9.50 / vial, shipment volume is 54.74 million vials, and average gross margin is 50%. The upstream industry chain includes animal thymus raw materials, peptide synthesis materials, protected amino acids, peptide coupling reagents, purification media, chromatography systems, sterile water for injection, excipients, stabilizers, glass vials, rubber stoppers, aluminum caps and cold-chain packaging materials. The midstream includes extraction, peptide synthesis, purification, concentration, sterile filtration, formulation, filling, lyophilization, sealing, visual inspection, potency testing, sterility testing, endotoxin testing, stability testing, batch release and pharmacovigilance. The downstream includes hospitals, oncology

departments, infectious disease departments, immunology departments, respiratory departments, pharmaceutical distributors, centralized procurement platforms and hospital pharmacies.

Thymic peptide immunomodulator injections show a mixed but more balanced market outlook than thymopolypeptides alone. Older thymopolypeptide extract injections face pressure from rational drug-use policies, adverse-reaction warnings, mature generic competition and hospital auxiliary-drug management. However, the broader category also includes synthetic and more defined peptide products such as thymalfasin and thymopentin, which support a more stable market structure. Demand is mainly driven by oncology supportive care, infection-related immune dysfunction, chronic viral disease management, postoperative immune support, respiratory disease supportive treatment and clinical interest in immune regulation. The market is expected to grow moderately because total clinical demand for immune-supportive injectable peptides remains, but growth will be restrained by stricter evidence requirements, safety monitoring, centralized procurement pressure and competition from newer immunotherapies. Future competition will shift from broad ?immune boosting? positioning toward clearer indications, better quality consistency, defined peptide composition, safer use, pharmacovigilance, hospital access, synthetic peptide manufacturing capability and differentiated immunomodulatory portfolios.

This report is a detailed and comprehensive analysis for global Thymic Peptide Immunomodulator Injections 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 Thymic Peptide Immunomodulator Injections market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Thymic Peptide Immunomodulator Injections market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Thymic Peptide Immunomodulator Injections market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Thymic Peptide Immunomodulator Injections market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 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 Thymic Peptide Immunomodulator Injections

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 Thymic Peptide Immunomodulator Injections 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 SciClone Pharmaceuticals, Beijing Science Sun Pharmaceutical, Hunan Yige Pharmaceutical, Shanghai Huayuan Pharmaceutical (Ningxia) Shasai Pharmaceutical, Beijing Sihuan Kebao Pharmaceutical, Northeast Pharmaceutical Group Shenyang No.1 Pharmaceutical, Fuan Pharmaceutical Group Hubei Renmin Pharmaceutical, Guangdong Xinghao Pharmaceutical, Harbin Medisan Pharmaceutical, Harbin Medical University Pharmaceutical, etc.

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

Market Segmentation

Thymic Peptide Immunomodulator Injections 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

hymopolypeptides for Injection

Thymopentin for Injection

Thymalfasin for Injection

Thymosin Alpha 1 Injection

Market segment by Peptide Source

Animal Thymus Extract Peptide

Synthetic Thymic Peptide

Defined Sequence Peptide

Mixed Polypeptide Fraction

Market segment by Molecular Definition

Complex Extract Type

Single Peptide Type

Sequence-Defined Type

High-Purity Peptide Type

Market segment by Application

Oncology Supportive Use

Infection Support Use

Immune Deficiency Use

Postoperative Immune Support Use

Major players covered

SciClone Pharmaceuticals

Beijing Science Sun Pharmaceutical

Hunan Yige Pharmaceutical

Shanghai Huayuan Pharmaceutical (Ningxia) Shasai Pharmaceutical

Beijing Sihuan Kebao Pharmaceutical

Northeast Pharmaceutical Group Shenyang No.1 Pharmaceutical

Fuan Pharmaceutical Group Hubei Renmin Pharmaceutical

Guangdong Xinghao Pharmaceutical

Harbin Medisan Pharmaceutical

Harbin Medical University Pharmaceutical

Heilongjiang Dilong Pharmaceutical

Changchun Haiyue Pharmaceutical

Dalian Zhen-Ao Pharmaceutical

Henan Xintai Pharmaceutical

Bachem

PolyPeptide Group

AmbioPharm

Livzon Pharmaceutical Group

Humanwell Healthcare

Hybio Pharmaceutical

Yunnan Baiyao Group

Shaanxi Bosen Biopharmaceutical

Guangzhou Youcare Biopharmaceutical

BMI Korea

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 Thymic Peptide Immunomodulator Injections product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thymic Peptide Immunomodulator

Global Thymic Peptide Immunomodulator Injections Market 2026 by Manufacturers, Regions, Type and Application,...

Injections, with price, sales quantity, revenue, and global market share of Thymic Peptide Immunomodulator Injections from 2021 to 2026.

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

Chapter 4, the Thymic Peptide Immunomodulator Injections 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 Thymic Peptide Immunomodulator Injections 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 Thymic Peptide Immunomodulator Injections.

Chapter 14 and 15, to describe Thymic Peptide Immunomodulator Injections sales channel, distributors, customers, research findings and conclusion.

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