

Oral Proteins and Peptides Market Size, Share, Trends, and Forecast by Drug Type, Applications, and Region, 2025-2033

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Abstracts

The global oral proteins and peptides market size was valued at USD 1.8 Billion in 2024. Looking forward, IMARC Group estimates the market to reach USD 3.4 Billion by 2033, exhibiting a CAGR of 7.13% from 2025-2033. North America currently dominates the market, holding a market share of over 97.8% in 2024. The market is growing due to advancements in drug delivery technologies and the rising demand for non-invasive treatments. Key drivers include the increasing prevalence of chronic diseases like diabetes and cancer coupled with ongoing collaborations between biotech firms and research institutions fostering innovation.

Proteins and peptides are natural components of the human body and play essential roles in many biological processes. Due to their complex structure and susceptibility to digestion in the stomach and small intestine, they are usually administered through injections. However, oral proteins and peptides can be taken via the oral path to treat hormonal, gastric, and metabolic disorders. They are designed to overcome these challenges by using specialized formulations that protect the molecules from digestion and allow them to be absorbed through the intestinal wall into the bloodstream. These formulations include enteric coatings, nanoparticles, and other delivery technologies. Oral proteins and peptides are extensively utilized to treat numerous chronic diseases, such as diabetes, cancer, and autoimmune disorders.

Oral Proteins and Peptides Market Trends:

The increasing volume of patients suffering from chronic diseases, such as cancer, diabetes, cardiovascular disorders (CVDs), and acquired immunodeficiency syndrome (AIDs), and the expanding geriatric population represent the key factors driving the oral proteins and peptides market growth. Besides this, shifting preferences and the rising

demand for effective oral drugs and technology among the masses are contributing to the market growth. Moreover, the escalating consumer health consciousness and the growing awareness of the numerous benefits associated with the consumption of oral protein and peptide supplements are creating a positive outlook for the market. In addition to this, innovative technological advancements, such as three-dimensional (3D) printing, nanotechnology, and genetic engineering, have enabled manufacturers to produce more advanced and cost-effective product variants, which is acting as another significant growth-inducing factor. Concurrent with this, the extensive collaborative efforts between pharmaceutical companies, significant advancements in the healthcare infrastructure, and rising research and development (R&D) activities are presenting remunerative growth opportunities for the market. Furthermore, the inflating disposable income of consumers, the widespread adoption of protein-rich diets, the surging demand for protein powder, bars, and shakes, and the increasing proliferation of online platforms providing easy product access are aiding in market expansion.

Oral Proteins and Peptides Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global oral proteins and peptides market, along with forecasts at the global, regional, and country levels from 2025-2033. The market has been categorized based on drug type, application and region.

Drug Type Insights:

Linacotide
Plecanatide
Calcitonin
Insulin
Octreotide

The report has provided a detailed breakup and analysis of the oral proteins and peptides market based on the drug type. This includes linacotide, plecanatide, calcitonin, insulin, and octreotide. According to the report, insulin represented the largest segment.

Application Insights:

Gastric and Digestive Disorders
Bone Diseases
Diabetes

Hormonal Disorders

A detailed breakup and analysis of the oral proteins and peptides market based on the application has also been provided in the report. This includes gastric and digestive disorders, bone diseases, diabetes, and hormonal disorders. According to the report, diabetes accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North

America was the largest market for oral proteins and peptides. Some of the factors driving the North America oral proteins and peptides market included the increasing prevalence of chronic diseases, the shifting consumer preference for oral drugs, and innovative product advancements.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global oral proteins and peptides market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Amryt Pharma Plc, AstraZeneca PLC, Biocon Limited, Novo Nordisk A/S, Oramed Ltd, Proxima Concepts Limited, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

- 1.How big is the oral proteins and peptides market?
- 2.What is the future outlook of oral proteins and peptides market?
- 3.What are the key factors driving the oral proteins and peptides market?
- 4.Which region accounts for the largest oral proteins and peptides market share?
- 5.Which are the leading companies in the global oral proteins and peptides market?

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