NEW YORK, Nov. 28, 2013 /PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue:

Oral Proteins and Peptides Market, 2014-2024

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INTRODUCTION

Owing to their complexity and instability, protein and peptide based drugs are mostly delivered by intravenous or subcutaneous routes. Based upon recent developments in R&D processes, scientists have made some progress in other routes of delivery such as transdermal, intranasal, inhalation and oral administration.

Amongst the various modes of administration, oral delivery is the most preferred route. Although very convenient, there are many challenges which hinder this route of administration. These include enzymatic and pH-dependent degradation of the amino acid based drugs in the gastrointestinal tract, low epithelial permeability and instability during formation. As a result, proteins / peptides administered orally have an extremely low

(<1-2%) bioavailability.>Many large and small pharmaceutical companies have led the efforts to develop oral protein / peptides. However, there have been several setbacks. The emergence of

more innovative technologies will be the key to achieving success in this field. There are a number of companies doing in-house research for developing new technologies to overcome the existing challenges. Several emerging proteins / peptides are in preclinical / discovery stage. In addition, there are a handful of molecules which are already in late stage clinical development and are likely to become commercially available in the next few years.

EXAMPLE HIGHLIGHTS

1. Insulin stands out amongst the various oral proteins and peptides that are being developed. In fact, diabetes accounts for around 39% of all molecules currently in clinical development. Gastric disorders and bone diseases are the two other notable indications which have garnered increased attention.2. Around 40% of molecules under development are in the second or higher phase of clinical development. Amongst these, five molecules are in late stage clinical trials.3. New technologies, addressing the challenges posed by oral delivery of peptides, have emerged in the recent past. Some of the prominent technologies include Axcess, GIPET, Peptelligence and Eligen.4. The overall market for oral delivery of proteins and peptides is huge and likely to tap a significant share of the overall peptide therapeutics multi-billion dollar market.

SCOPE OF THE REPORT

The "Oral Proteins and Peptides Market, 2014-2024" report provides a comprehensive analysis of the current state of the market and the likely future evolution over the next ten years. Endogenous peptides are a smart way to utilise body's own resources to design drugs that are more specific and carry great potential to cure hard-to-treat diseases. The protein and peptide therapeutics market is a multi-billion dollar market and researchers are trying their best to improve the therapy by devising strategies for their oral delivery. The report portrays the efforts of various pharmaceutical companies in making the transition towards oral delivery by developing innovative technologies and testing multiple drug candidates based on these technologies. A vast amount of activity is happening in this area as seen by the myriad of discoveries, patents, collaborations and grants.

One of the key objectives of this report is to understand the current and future state of the oral proteins and peptide drugs market. This is done by analyzing the following: § Drugs currently available in the market and those under development§ Emerging technologies and key developments supporting the development of improved oral peptide delivery§ Development and likely sales potential of key marketed and pipeline oral proteins and peptides

The study provides a comprehensive analysis of the competition, partnerships and key players in the market. The research, analysis and insights presented in this report include the sales forecasts of emerging oral proteins / peptides which are currently either marketed or in late stage clinical development. The analysis includes proteins such as antibodies and recombinant proteins including insulin, hormones, interferon etc. The scope of the report doesn't include enzymes. However, we have presented a special analysis on Liprotamase (from Eli Lilly). Liprotamase is a pancreatic enzyme replacement therapy product, which has reached the regulatory review stage. The enzyme has been included as it differs from competing marketed drugs for being non-porcine derived and lacking an enteric coating.

One of the interesting features of this report is the inclusion of case studies on two cyclic oral peptides discovered before the year 2000. These two peptides, namely Sandimmune and DDAVP, act as a role model for the biotechnology and pharmaceutical companies for future innovation and development in this field.

RESEARCH METHODOLOGY

Most of the data presented in this report has been gathered by secondary research. We have also conducted interviews with experts in the area (academia, industry, medical practice and other associations) to solicit their opinions on emerging trends in the market. This is primarily useful for us to draw out our own opinion on how the market will shape up across different regions and drug segments. Where possible, the available data has been checked for accuracy from multiple sources of information.

The secondary sources of information include § Annual reports§ Investor presentations§ SEC filings§ Industry databases§ News releases from company websites§ Government policy documents§ Other analysts' opinion reports

While the focus has been on forecasting the market over the coming ten years, the report also provides our independent view on various technological and non-commercial trends emerging in the industry. This opinion is solely based on our knowledge, research and understanding of the relevant market gathered from various secondary and primary sources of information.

CHAPTER OUTLINES Chapter 2 provides a general introduction to the protein and peptide therapeutics market. We discuss in detail the available modes of administration, advantages over small molecule drugs, current challenges and proposed solutions.

Chapter 3 provides an overview of the oral protein and peptide market with respect to marketed and pipeline drugs, and companies active in the field. The analysis of the market is also extended to the indications, current phase of development, and the available technologies.

Chapter 4 explores various drug candidates in late stage clinical development. We have presented the market data for base year 2012 (where available) and our forecasts for the period 2013 - 2024. While preparing the forecasts, several factors were taken into consideration, such as, status of development, competition, expected approval and likely adoption rates.

Chapter 5 presents special case studies on three molecules, namely, Liprotamase, Sandimmune and DDAVP. Sandimmune and DDAVP were launched before the year 2000 prior to the oral peptide revolution.

Chapter 6 reviews, in detail, the major technologies available for oral protein and peptide delivery. We present profiles of seven leading technologies with information about their origin, mechanism, molecules using the technology, and companies involved.

Chapter 7 provides our analysis of the strengths, weaknesses, opportunities and threats in the market, capturing the key elements likely to influence future growth.

Chapter 8 summarizes the overall report. In this chapter, we provide a recap of the key takeaways and our independent opinion based on the research and analysis described in previous chapters.

Chapter 9 is an appendix, which provides tabulated data and numbers for all the figures provided in the report.

Chapter 10 is an appendix, which provides list of companies mentioned in the report.

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