

Amyloid beta-protein inhibitors - Pipeline Insight, 2022

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Abstracts

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DelveInsight's, "Amyloid Beta-Protein Inhibitors - Pipeline Insight, 2022" report provides comprehensive insights about 10+ companies and 10+ pipeline drugs in Amyloid Beta-Protein Inhibitors pipeline landscape. It covers the pipeline drug profiles, including clinical and nonclinical stage products. It also covers the therapeutics assessment by product type, stage, route of administration, and molecule type. It further highlights the inactive pipeline products in this space.

Geography Covered

Global coverage

Amyloid Beta-Protein Inhibitors Understanding

Amyloid Beta-Protein Inhibitors: Overview

Amyloid- β ($A\beta$) denotes peptides of 36–43 amino acids that are crucially involved in Alzheimer's disease as the main component of the amyloid plaques found in the brains of Alzheimer patients. The peptides result from the amyloid precursor protein (APP), which is being cut by certain enzymes to yield $A\beta$. Amyloid- β molecules can aggregate to form flexible soluble oligomers which may exist in several forms. Amyloid- β peptide is due to overproduction of $A\beta$ and/or the failure of clearance mechanisms. Amyloid- β self-aggregates into oligomers, which can be of various sizes, and forms diffuse and neuritic plaques in the parenchyma and blood vessels.

Function – The progressive production and subsequent accumulation of β -amyloid ($A\beta$),

a proteolytic fragment of the membrane-associated amyloid precursor protein (APP), plays a central role in Alzheimer's disease (AD). A β is released in a soluble form that may be responsible for cognitive dysfunction in the early stages of the disease, then progressively forms oligomeric, multimeric and fibrillar aggregates, triggering neurodegeneration. Eventually, the aggregation and accumulation of A β culminates with the formation of extracellular plaques, one of the morphological hallmarks of the disease, detectable post-mortem in AD brains.

Amyloid Beta-Protein Inhibitors- Inhibition of the formation of these toxic polymers of A β has thus emerged as an approach to developing therapeutics for AD. Therefore, blocking the initial stages of A β peptide aggregation with small molecules could hold considerable promise as the starting point for the development of new therapies for AD.

Amyloid Beta-Protein Inhibitors Emerging Drugs Chapters

This segment of the Amyloid Beta-Protein Inhibitors report encloses its detailed analysis of various drugs in different stages of clinical development, including phase III, II, I, preclinical and Discovery. It also helps to understand clinical trial details, expressive pharmacological action, agreements and collaborations, and the latest news and press releases.

Amyloid Beta-Protein Inhibitors Emerging Drugs

Aducanumab: Biogen

Biogen's aducanumab — a monoclonal antibody is currently under review by the U.S. Food and Drug Administration. If ultimately approved, it is predicted that the drug, which only showed modest efficacy in phase III clinical trial, could become the best-selling drug of all time.

Crenezumab: Hoffman-La-Roche

Crenezumab (RG7412) is a humanized monoclonal antibody, which binds to amyloid beta (A β). A β is the main constituent of amyloid plaque in the brains of patients with Alzheimer's disease and is proposed to be causative in the development of the disease. A phase II clinical trial is evaluating Crenezumab in healthy individuals with a history of familial Alzheimer's disease. Roche plans to submit regulatory applications

for marketing Crenezumab for Alzheimer's disease by 2023.

Further product details are provided in the report.....

Amyloid Beta-Protein Inhibitors: Therapeutic Assessment

This segment of the report provides insights about the different Amyloid Beta-Protein Inhibitors drugs segregated based on following parameters that define the scope of the report, such as:

Major Players working on Amyloid Beta-Protein Inhibitors

There are approx. 10+ key companies which are developing the Amyloid Beta-Protein Inhibitors. The companies which have their Amyloid Beta-Protein Inhibitors drug candidates in the most advanced stage, i.e. preregistration include Biogen.

Phases

DelveInsight's report covers around 10+ products under different phases of clinical development like

Late-stage products (Phase III)

Mid-stage products (Phase II)

Early-stage products (Phase I/II and Phase I) along with the details of

Pre-clinical and Discovery stage candidates

Discontinued & Inactive candidates

Route of Administration

Amyloid Beta-Protein Inhibitors pipeline report provides the therapeutic assessment of the pipeline drugs by the Route of Administration. Products have been categorized under various ROAs such as

Infusion

Intravenous

Intramuscular

Oral

Parenteral

Subcutaneous

Molecule Type

Products have been categorized under various Molecule types such as

Vaccines

Monoclonal Antibody

Peptides

Polymer

Small molecule

Product Type

Drugs have been categorized under various product types like Mono, Combination and Mono/Combination.

Amyloid Beta-Protein Inhibitors: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase II, I, preclinical and discovery stage. It also analyses Amyloid Beta-Protein Inhibitors therapeutic drugs key players involved in developing key drugs.

Pipeline Development Activities

The report covers the detailed information of collaborations, acquisition and merger, licensing along with a thorough therapeutic assessment of emerging Amyloid Beta-Protein Inhibitors drugs.

Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence Amyloid Beta-Protein Inhibitors R&D.

The therapies under development are focused on novel approaches for Amyloid Beta-Protein Inhibitors.

Amyloid Beta-Protein Inhibitors Report Insights

Amyloid Beta-Protein Inhibitors Pipeline Analysis

Therapeutic Assessment

Unmet Needs

Impact of Drugs

Amyloid Beta-Protein Inhibitors Report Assessment

Pipeline Product Profiles

Therapeutic Assessment

Pipeline Assessment

Inactive drugs assessment

Unmet Needs

Key Questions

Current Scenario and Emerging Therapies:

How many companies are developing Amyloid Beta-Protein Inhibitors drugs?

How many Amyloid Beta-Protein Inhibitors drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for Amyloid Beta-Protein Inhibitors?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the Amyloid Beta-Protein Inhibitors therapeutics?

What are the recent trends, drug types and novel technologies developed to overcome the limitation of existing therapies?

What are the clinical studies going on for Amyloid Beta-Protein Inhibitors and their status?

What are the key designations that have been granted to the emerging drugs?

Contents

- Introduction
- Executive Summary
- Amyloid Beta-Protein Inhibitors: Overview
 - Structure
 - Mechanism of Action
- Pipeline Therapeutics
 - Comparative Analysis
- Therapeutic Assessment
 - Assessment by Product Type
 - Assessment by Stage and Product Type
 - Assessment by Route of Administration
 - Assessment by Stage and Route of Administration
 - Assessment by Molecule Type
 - Assessment by Stage and Molecule Type
- Amyloid Beta-Protein Inhibitors – DelveInsight's Analytical Perspective
- In-depth Commercial Assessment
 - Amyloid Beta-Protein Inhibitors companies' collaborations, Licensing, Acquisition
 - Deal Value Trends
- Amyloid Beta-Protein Inhibitors Collaboration Deals
 - Company-Company Collaborations (Licensing / Partnering) Analysis
 - Company-University Collaborations (Licensing / Partnering) Analysis
- late Stage Products (Preregistration)
 - Comparative Analysis
- Aducanumab: Biogen
 - Product Description
 - Research and Development
 - Product Development Activities
- Drug profiles in the detailed report.....
- Mid Stage Products (Phase II)
 - Comparative Analysis
- R-phenserine: Annovis Bio
 - Product Description
 - Research and Development
 - Product Development Activities
- Drug profiles in the detailed report.....
- Pre-clinical and Discovery Stage Products
 - Comparative Analysis

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Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Inactive Products

Comparative Analysis

Amyloid Beta-Protein Inhibitors Key Companies

Amyloid Beta-Protein Inhibitors Key Products

Amyloid Beta-Protein Inhibitors- Unmet Needs

Amyloid Beta-Protein Inhibitors- Market Drivers and Barriers

Amyloid Beta-Protein Inhibitors- Future Perspectives and Conclusion

Amyloid Beta-Protein Inhibitors Analyst Views

Amyloid Beta-Protein Inhibitors Key Companies

Appendix

List Of Tables

LIST OF TABLES

Table 1 Total Products for Amyloid Beta-Protein Inhibitors

Table 2 Late Stage Products

Table 3 Mid Stage Products

Table 4 Early Stage Products

Table 5 Pre-clinical & Discovery Stage Products

Table 6 Assessment by Product Type

Table 7 Assessment by Stage and Product Type

Table 8 Assessment by Route of Administration

Table 9 Assessment by Stage and Route of Administration

Table 10 Assessment by Molecule Type

Table 11 Assessment by Stage and Molecule Type

Table 12 Inactive Products

List Of Figures

LIST OF FIGURES

Figure 1 Total Products for Amyloid Beta-Protein Inhibitors

Figure 2 Late Stage Products

Figure 3 Mid Stage Products

Figure 4 Early Stage Products

Figure 5 Preclinical and Discovery Stage Products

Figure 6 Assessment by Product Type

Figure 7 Assessment by Stage and Product Type

Figure 8 Assessment by Route of Administration

Figure 9 Assessment by Stage and Route of Administration

Figure 10 Assessment by Molecule Type

Figure 11 Assessment by Stage and Molecule Type

Figure 12 Inactive Products

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