

Type2 Diabetes Mellitus- Pipeline Insight, 2022

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Abstracts

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DelveInsight's, "Type2 Diabetes Mellitus- Pipeline Insight, 2022," report provides comprehensive insights about 100+ companies and 100+ pipeline drugs in Type2 Diabetes mellitus 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

Type2 Diabetes Mellitus Understanding

Type2 Diabetes Mellitus: Overview

Diabetes mellitus (DM) is a chronic metabolic disorder characterized by persistent hyperglycemia. It may be due to impaired insulin secretion, resistance to peripheral actions of insulin, or both. Diabetes mellitus are of three types Type1, Type2 and Gestational Diabetes. Type 2 diabetes mellitus (T2DM) accounts for around 90% of all cases of diabetes. In T2DM, the response to insulin is diminished, and this is defined as insulin resistance. During this state, insulin is ineffective and is initially countered by an increase in insulin production to maintain glucose homeostasis, but over time, insulin production decreases, resulting in T2DM. T2DM is most commonly seen in persons older than 45 years. Type 2 diabetes primarily occurs as a result of obesity and lack of exercise. Some people are more genetically at risk than others. Type 2 diabetes makes

up about 90% of cases of diabetes, with the other 10% due primarily to type 1 diabetes and gestational diabetes. Diagnosis of diabetes is by blood tests such as fasting plasma glucose, oral glucose tolerance test, or glycated hemoglobin (A1C). Type 2 diabetes is typically a chronic disease associated with a ten-year-shorter life expectancy.

'Type2 Diabetes Mellitus- Pipeline Insight, 2022' report by DelveInsight outlays comprehensive insights of present scenario and growth prospects across the indication. A detailed picture of the Type2 Diabetes Mellitus pipeline landscape is provided which includes the disease overview and Type2 Diabetes Mellitus treatment guidelines. The assessment part of the report embraces, in depth Type2 Diabetes Mellitus commercial assessment and clinical assessment of the pipeline products under development. In the report, detailed description of the drug is given which includes mechanism of action of the drug, clinical studies, NDA approvals (if any), and product development activities comprising the technology, Type2 Diabetes Mellitus collaborations, licensing, mergers and acquisition, funding, designations and other product related details.

Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence Type2 Diabetes mellitus R&D. The therapies under development are focused on novel approaches to treat/improve Postoperative Pain.

Type2 Diabetes mellitus Emerging Drugs Chapters

This segment of the Type2 Diabetes mellitus report encloses its detailed analysis of various drugs in different stages of clinical development, including phase 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.

Type2 Diabetes mellitus Emerging Drugs

Sotagliflozin: Lexicon Pharmaceuticals

Sotagliflozin is an orally-delivered small molecule compound that we are developing for

the treatment of heart failure and type 1 and type 2 diabetes. The scientists identified the targets of sotagliflozin, sodium-glucose cotransporter type 1, or SGLT1, and sodium-glucose cotransporter type 2, or SGLT2, in our target discovery efforts based on their discovery that mice lacking SGLT1, SGLT2 or both exhibited potent anti-diabetic phenotypes across multiple measures of glucose control and metabolism in preclinical models. Preclinical studies of sotagliflozin demonstrated that compounds inhibiting both targets had a favorable preclinical profile relative to compounds selective for SGLT2. SGLT1 is responsible for glucose absorption in the gastrointestinal tract, and SGLT2 is responsible for glucose reabsorption by the kidney. Sotagliflozin is in the phase 3 stage of development to treat Type 2 diabetes mellitus.

ORMD0801: Oramed Pharmaceuticals

Oramed's oral insulin (ORMD-0801) has the potential to create a new paradigm in the treatment of diabetes by oral delivery of insulin at an earlier stage of treatment, potentially slowing disease progression and delaying or even eliminating late-stage complications. Orally administered insulin brings with it enhanced patient compliance. In addition, intestinally absorbed-oral insulin actually mimics insulin's natural location and gradients in the body by first passing through the liver before entering the bloodstream. ORMD0801 is in the phase 3 stage of development to treat Type 2 diabetes mellitus.

LY3209590-Eli Lilly and Company

LY3209590 'Basal insulin-Fc' is a large molecule comprised of an engineered insulin fused to an Fc domain designed to provide a long-acting basal profile. LY3209590 is in Phase 2 stage of development for the treatment of Type 2 diabetes.

HM12460A: Hanmi Pharmaceuticals

The novel basal insulin HM12460A consists of an insulin analog (Insulin 115) conjugated to the human aglycosylated FC fragment via a small PEG linker and is developed for once-weekly administration. HM12460A displays substantially prolonged pharmacokinetic and pharmacodynamic profile, No increased mitogenic potency compared to regular insulin. It showed similar metabolic potency compared to regular insulin after long-term stimulation, decreased insulin receptor downregulation and it

showed improved insulin signaling under chronic conditions. It is in Phase 1 stage of development for the treatment of Type 2 diabetes.

HM14220: Hanmi Pharmaceuticals

HM14220 is a combination of a long-acting insulin analog and a long-acting exendin-4 analog; Targeting once weekly administration. It is in the pre-clinical stage of development for the treatment of Type 2 Diabetes.

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

Type 2 Diabetes mellitus: Therapeutic Assessment

This segment of the report provides insights about the different Type 2 Diabetes mellitus drugs segregated based on following parameters that define the scope of the report, such as:

Major Players in Type 2 Diabetes mellitus

There are approx. 100+ key companies which are developing the therapies for Postoperative Pain. The companies which have their Postoperative Pain drug candidates in the most advanced stage, i.e. phase III include, Lexicon Pharmaceuticals.

Phases

DelveInsight's report covers around 100+ products under different phases of clinical development like

Late stage products (Phase III)

Mid-stage products (Phase II)

Early-stage product (Phase I) along with the details of

Pre-clinical and Discovery stage candidates

Discontinued & Inactive candidates

Route of Administration

Type2 Diabetes mellitus pipeline report provides the therapeutic assessment of the pipeline drugs by the Route of Administration. Products have been categorized under various ROAs such as

Intra-articular

Intraocular

Intrathecal

Intravenous

Ophthalmic

Oral

Parenteral

Subcutaneous

Topical

Transdermal

Molecule Type

Products have been categorized under various Molecule types such as

Oligonucleotide

Peptide

Small molecule

Product Type

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

Type2 Diabetes mellitus: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase II, I, preclinical and discovery stage. It also analyses Type2 Diabetes mellitus 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 Type2 Diabetes mellitus drugs.

Type2 Diabetes mellitus Report Insights

Type2 Diabetes mellitus Pipeline Analysis

Therapeutic Assessment

Unmet Needs

Impact of Drugs

Type2 Diabetes mellitus Report Assessment

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Therapeutic Assessment

Pipeline Assessment

Inactive drugs assessment

Unmet Needs

Key Questions

Current Treatment Scenario and Emerging Therapies:

How many companies are developing Type2 Diabetes mellitus drugs?

How many Type2 Diabetes mellitus drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for the treatment of Type2 Diabetes mellitus?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the Type2 Diabetes mellitus 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 Type2 Diabetes mellitus and their status?

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

Key Players

Hanmi Pharmaceuticals

Sanofi

Eli Lilly and Company

AstraZeneca

NovoNordisk

Noxxon Pharma AG

Oramed Pharmaceuticals

Lexicon Pharmaceuticals

Daiichi Sankyo Company

Halozyme Therapeutics

Saniona

Novartis

Pfizer

Merck Sharp & Dohme Corp.

Mylan

Nordic Bioscience A/S

KeyBioscience AG

Adocia

Jiangsu Hengrui Medicine

Bristol myers Suibb

Phenomix

Forest Laboratories

ACADIA Pharmaceuticals

Hanmi Pharmaceuticals

Cytogel

Ligand Pharmaceuticals

Arthritis Innovation Corporation

Astellas Pharma

Iltoo Pharma

Medspace Inc.

Oramed Ltd.

Flexion Therapeutics

Integrium

AbbVie

Key Products

ORMD0801

HumalogU-100

Sotagliflozin

Exenatide

Topiramate

LY3209590

HM12460A

HM14220

Tesofensine/Metoprolol

Ruboxistaurin Mesylate

BMS-816336

Atrasentan

Inhaled Human Insulin

Human regular U-500 insulin

Humalog

Insulin Glargine

Tirzepatide

Oxyntomodulin

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