

Sigma-1 receptor agonists - Pipeline Insight, 2022

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Abstracts

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DelveInsight's, "Sigma-1 receptor agonists - Pipeline Insight, 2022" report provides comprehensive insights about 6+ companies and 6+ pipeline drugs in Sigma-1 receptor agonists 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

Sigma-1 receptor agonists Understanding

Sigma-1 receptor agonists: Overview

Sigma-1 receptor (S1R) is a multi-functional, ligand-operated protein situated in endoplasmic reticulum (ER) membranes and changes in its function and/or expression have been associated with various neurological disorders including amyotrophic lateral sclerosis/frontotemporal dementia, Alzheimer's (AD) and Huntington's diseases (HD). Sigma-1 receptor is a 223 amino acid-long transmembrane protein residing in the ER membrane. S1R preferentially localizes to the specific microdomains of the ER called mitochondrial-associated membranes (MAM), where it can regulate InsP3R-dependent calcium flux from the ER to mitochondria, lipid dynamics, MAM stability, and the ER stress response. S1R agonists are broadly neuroprotective and this is achieved through a diversity of S1R-mediated signaling functions that are generally pro-survival and anti-

apoptotic.

Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence Sigma-1 receptor agonists R&D. The therapies under development are focused on novel approaches for Sigma-1 receptor agonists.

Sigma-1 receptor agonists Emerging Drugs Chapters

This segment of the Sigma-1 receptor agonists 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.

Sigma-1 receptor agonists Emerging Drugs

Fenfluramine: Zogenix

Fenfluramine is a phenethylamine that is structurally similar to serotonin. Due to its ability to increase extracellular serotonin levels, modulate serotonergic and other neurologic receptors, and control neurotransmission, it is effective in treating pharmacoresistant seizures. Fenfluramine was granted initial FDA approval in 1973 prior to its withdrawal; it was granted a new FDA approval on June 25, 2020, for treatment of Dravet syndrome patients through the restricted FINTEPLA REMS program. It is currently sold under the name FINTEPLA® by Zogenix INC. Currently, it is in preregistration stage of development to treat Lennox-Gastaut syndrome.

Pridopidine: Prilenia Therapeutics

Pridopidine is currently being assessed in the ongoing phase 3 global clinical trial PROOF-HD (PRidopidine Outcome On Function in Huntington's Disease). The successful outcome of PROOF-HD may lead to its approval as a treatment for Huntington's Disease. The purpose of the study is to evaluate the effect of pridopidine

on functional capacity, as well as on motor and behavioral features over 65 weeks. In prior clinical trials in HD patients, pridopidine demonstrated a beneficial effect in maintaining functional capacity after 1 year.

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

Sigma-1 receptor agonists: Therapeutic Assessment

This segment of the report provides insights about the different Sigma-1 receptor agonists drugs segregated based on following parameters that define the scope of the report, such as:

Major Players working on Sigma-1 receptor agonists

There are approx. 6+ key companies which are developing the Sigma-1 receptor agonists. The companies which have their Sigma-1 receptor agonists drug candidates in the most advanced stage, i.e. Preregistration include, Zogenix.

Phases

DelveInsight's report covers around 6+ products under different phases of clinical development like

Late-stage products (Phase III and

Mid-stage products (Phase II and

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

Sigma-1 receptor agonists 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

Intradermal

Intramuscular

Intranasal

Intravaginal

Oral

Parenteral

Subcutaneous

Topical

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.

Sigma-1 receptor agonists: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase III, II, I, preclinical and discovery stage. It also analyses Sigma-1 receptor agonists 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 Sigma-1 receptor agonists drugs.

Sigma-1 receptor agonists Report Insights

- Sigma-1 receptor agonists Pipeline Analysis

- Therapeutic Assessment

- Unmet Needs

- Impact of Drugs

Sigma-1 receptor agonists 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 Sigma-1 receptor agonists drugs?

How many Sigma-1 receptor agonists drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for the treatment of Sigma-1 receptor agonists?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the Sigma-1 receptor agonists 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 Sigma-1 receptor agonists and their status?

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

Key Players

Zogenix

Prilenia Therapeutics

Algernon Pharmaceuticals

Anavex Life Sciences

Axsome Therapeutics

Proximagen

Avanir Pharmaceuticals

Key Products

Fenfluramine

Pridopidine

NP 120

ANA001-HCl

AXS-05

ANAVEX 3-71

PRX-00023

AVP-786

ANAVEX 2-73/DPZ

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Assessment by Stage and Route of Administration

Assessment by Molecule Type

Assessment by Stage and Molecule Type

Sigma-1 receptor agonists – DelveInsight's Analytical Perspective

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Comparative Analysis

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Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

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Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Early Stage Products (Phase I)

Comparative Analysis

ANAVEX 3-71: Anavex Life Sciences

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Pre-clinical and Discovery Stage Products

Comparative Analysis

Drug name: Company name

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Inactive Products

Comparative Analysis

Sigma-1 receptor agonists Key Companies

Sigma-1 receptor agonists Key Products

Sigma-1 receptor agonists- Unmet Needs

Sigma-1 receptor agonists- Market Drivers and Barriers

Sigma-1 receptor agonists- Future Perspectives and Conclusion

Sigma-1 receptor agonists Analyst Views

Sigma-1 receptor agonists Key Companies

Appendix

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