

# Notch receptor antagonists - Pipeline Insight, 2022

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## Abstracts

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DelveInsight's, "Notch receptor antagonists - Pipeline Insight, 2022" report provides comprehensive insights about 4+ companies and 4+ pipeline drugs in Notch receptor antagonists 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

### Notch receptor antagonists Understanding

#### Notch receptor antagonists: Overview

Notch is a key player in various developmental processes during the embryonic stage as well as in regulating tissue homeostasis, cell differentiation, and stem cell maintenance in adult life. Activation of Notch signaling occurs following Notch receptor-ligand interaction and subsequent enzymatic proteolysis by the gamma-secretase complex, resulting in the cytoplasmic release of a Notch intracellular domain, which translocates to the nucleus to initiate the downstream transcriptional machinery. Notch activation and its aberrant signaling have been broadly linked to the pathogenesis of cancer and some chronic inflammatory diseases resulting in pathologic fibrotic processes. Based on the molecular structure of Notch receptor, Notch ligands and Notch activators, a set of Notch pathway inhibitors have been developed. Most of these

inhibitors had shown anti-tumor effects in preclinical studies. At the same time, the combinatorial effect of these inhibitors with current chemotherapeutic drugs still under study in different clinical trials.

'Notch receptor antagonists - Pipeline Insight, 2022' report by DelveInsight outlays comprehensive insights of present scenario and growth prospects across the indication. A detailed picture of the Notch receptor antagonists pipeline landscape is provided which includes the disease overview and Notch receptor antagonists treatment guidelines. The assessment part of the report embraces, in depth Notch receptor antagonists 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, Notch receptor antagonists 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 Notch receptor antagonists R&D. The therapies under development are focused on novel approaches to treat/improve Notch receptor antagonists.

## Notch receptor antagonists Emerging Drugs Chapters

This segment of the Notch receptor antagonists 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.

## Notch receptor antagonists Emerging Drugs

### AL101: Ayala Pharmaceuticals

AL101 is an investigational small molecule Gamma Secretase Inhibitor (GSI) that is designed to potently and selectively inhibit Notch 1, 2, 3 and 4, and is currently being evaluated in two Phase 2 clinical studies, ACCURACY and TENACITY, in patients with

adenoid cystic carcinoma (ACC) and in patients with triple negative breast cancer (TNBC), respectively. AL101 is designed to inhibit the expression of Notch gene targets by blocking the final cleavage step by the gamma secretase required for Notch activation. Ayala obtained an exclusive, worldwide license to develop and commercialize AL101 from Bristol-Myers Squibb Company in November 2017. AL101 was granted U.S. FDA Fast Track Designation and Orphan Drug Designation for the treatment of ACC.

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

### Notch receptor antagonists: Therapeutic Assessment

This segment of the report provides insights about the different Notch receptor antagonists drugs segregated based on following parameters that define the scope of the report, such as:

#### ? Major Players in Notch receptor antagonists

There are approx. 4+ key companies which are developing the therapies for Notch receptor antagonists. The companies which have their Notch receptor antagonists drug candidates in the most advanced stage, i.e. phase II include Ayala Pharmaceuticals.

#### ? Phases

DelveInsight's report covers around 4+ 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

Notch receptor antagonists pipeline report provides the therapeutic assessment of the pipeline drugs by the Route of Administration. Products have been categorized under various ROAs such as

Subcutaneous

Intravenous

Intramuscular

? Molecule Type

Products have been categorized under various Molecule types such as

Peptides

Polymer

Small molecule

? Product Type

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

Notch receptor antagonists: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase II, I, preclinical and discovery stage. It also analyses Notch receptor antagonists 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 Notch receptor antagonists drugs.

## Notch receptor antagonists Report Insights

Notch receptor antagonists Pipeline Analysis

Therapeutic Assessment

Unmet Needs

Impact of Drugs

## Notch receptor antagonists Report Assessment

Pipeline Product Profiles

Therapeutic Assessment

Pipeline Assessment

Inactive drugs assessment

Unmet Needs

## Key Questions

### Current Treatment Scenario and Emerging Therapies:

How many companies are developing Notch receptor antagonists drugs?

How many Notch receptor antagonists drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for the treatment of Notch receptor antagonists?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the Notch receptor antagonists 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 Notch receptor antagonists and their status?

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

## Contents

Introduction

Executive Summary

Notch receptor antagonists: Overview

? Causes

? Mechanism of Action

? Signs and Symptoms

? Diagnosis

? Disease Management

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

Mid Stage Products (Phase II)

? Comparative Analysis

AL101: Ayala Pharmaceuticals

? Product Description

? Research and Development

? Product Development Activities

Drug profiles in the detailed report.....

Preclinical Stage Products

? Comparative Analysis

NADI-351: StemSynergy Therapeutics

? Product Description

? Research and Development

? Product Development Activities

Drug profiles in the detailed report.....

Inactive Products

? Comparative Analysis

Notch receptor antagonists Key Companies

Notch receptor antagonists Key Products

Notch receptor antagonists- Unmet Needs

Notch receptor antagonists- Market Drivers and Barriers

Notch receptor antagonists- Future Perspectives and Conclusion

Notch receptor antagonists Analyst Views

Notch receptor antagonists Key Companies

Appendix



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