

# Sphingosine 1 phosphate receptor modulators - Pipeline Insight, 2022

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## Abstracts

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DelveInsight's, "Sphingosine 1 Phosphate Receptor Modulators - Pipeline Insight, 2022" report provides comprehensive insights about 14+ companies and 14+ pipeline drugs in Sphingosine 1 Phosphate Receptor Modulators 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

### Sphingosine 1 Phosphate Receptor Modulators Understanding

#### Sphingosine 1 Phosphate Receptor Modulators: Overview

Sphingolipids represent an essential class of lipids found in all eukaryotes, and strongly influence cellular signal transduction. Autoimmune diseases like asthma and multiple sclerosis (MS) are mediated by the sphingosine-1-phosphate receptor 1 (S1P1) to express a variety of symptoms and disease patterns. Inspired by its natural substrate, an array of artificial sphingolipid derivatives has been developed to target this specific G protein-coupled receptor (GPCR) in an attempt to suppress autoimmune disorders.

Function - Sphingosine-1-phosphate receptor 1 (S1P receptor 1 or S1P1) is a G-protein

coupled receptor. Signaling leads to the activation of RAC1, SRC, PTK2/FAK1 and MAP kinases. It plays an important role in cell migration, migration of osteoclast precursor cells, the regulation of bone mineralization and bone homeostasis and in the protection against ventilator-induced lung injury. It is required for normal chemotaxis toward sphingosine 1-phosphate, normal embryonic heart development and normal cardiac morphogenesis. It inhibits sprouting angiogenesis to prevent excessive sprouting during blood vessel development.

Sphingosine 1 Phosphate Receptor Modulators - Sphingosine 1-phosphate (S1P) receptor modulators possess a unique mechanism of action as disease modifying therapy for multiple sclerosis (MS). Subtype 1 S1P receptors are expressed on the surfaces of lymphocytes and are important in regulating egression from lymph nodes. The S1P receptor modulators indirectly antagonize the receptor's function and sequester lymphocytes in lymph nodes.

### Sphingosine 1 Phosphate Receptor Modulators Emerging Drugs Chapters

This segment of the Sphingosine 1 Phosphate Receptor Modulators 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.

### Sphingosine 1 Phosphate Receptor Modulators Emerging Drugs

#### Cenerimod: Idorsia Pharmaceuticals

Cenerimod is a selective sphingosine-1-phosphate 1 (S1P1) receptor modulator, which potentially offers a novel approach for SLE – a disease with limited treatment options. Idorsia is investigating cenerimod, an oral once-daily tablet in patients with SLE. The drug is currently in phase 2 of clinical trials for the treatment of Systemic lupus erythematosus.

#### Sonepcizumab: Lpath

Lpath is developing sonepcizumab, a first-in-class monoclonal antibody targeting sphingosine-1-phosphate (S1P) for the treatment of cancer as well as various. The drug

is in phase 2 of clinical trials for the treatment of Wet age-related macular degeneration

#### Etrasimod: Arena Pharmaceuticals

Etrasimod is a next-generation, once-daily, oral, highly selective sphingosine 1-phosphate (S1P) receptor modulator discovered by Arena, and designed for optimized pharmacology and engagement of S1P receptor 1, 4 and 5 which may lead to an improved efficacy and safety profile. Etrasimod provides systemic and local effects on specific immune cell types and has the potential to treat multiple immune-mediated inflammatory diseases, including ulcerative colitis, Crohn's disease, atopic dermatitis and alopecia areata. The drug is currently in phase 3 of clinical trials for the treatment of Atopic dermatitis; Ulcerative colitis.

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

#### Sphingosine 1 Phosphate Receptor Modulators: Therapeutic Assessment

This segment of the report provides insights about the different Sphingosine 1 Phosphate Receptor Modulators drugs segregated based on following parameters that define the scope of the report, such as:

#### Major Players working on Sphingosine 1 Phosphate Receptor Modulators

There are approx. 14+ key companies which are developing the Sphingosine 1 Phosphate Receptor Modulators. The companies which have their Sphingosine 1 Phosphate Receptor Modulators drug candidates in the most advanced stage, i.e. phase III include, Arena Pharmaceuticals.

#### Phases

DelveInsight's report covers around 14+ 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

Sphingosine 1 Phosphate Receptor Modulators 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.

### Sphingosine 1 Phosphate Receptor Modulators: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase II, I, preclinical and discovery stage. It also analyses Sphingosine 1 Phosphate Receptor Modulators 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 Sphingosine 1 Phosphate Receptor Modulators drugs.

### Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence Sphingosine 1 Phosphate Receptor Modulators R&D. The therapies under development are focused on novel approaches for Sphingosine 1 Phosphate Receptor Modulators.

### Sphingosine 1 Phosphate Receptor Modulators Report Insights

Sphingosine 1 Phosphate Receptor Modulators Pipeline Analysis

Therapeutic Assessment

Unmet Needs

Impact of Drugs

## Sphingosine 1 Phosphate Receptor Modulators 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 Sphingosine 1 Phosphate Receptor Modulators drugs?

How many Sphingosine 1 Phosphate Receptor Modulators drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for Sphingosine 1 Phosphate Receptor Modulators?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the Sphingosine 1 Phosphate Receptor Modulators 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 Sphingosine 1 Phosphate Receptor Modulators and their status?

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

## Key Players

Idorsia Pharmaceuticals

Lpath

Bristol-Myers Squibb

Akaal Pharma

Oppilan Pharma

Boston Pharmaceuticals

Trevena

Corium International

Janssen Pharmaceuticals

Arena Pharmaceuticals

Curadim Pharma

Bridge Medicines

Novartis

Celgene Corporation

Mitsubishi Tanabe Pharma Corporation

LG Chem Life Sciences

## Key Products

Cenerimod

Sonepcizumab

BMS 986104

AKP 11

OPL 002

BOS 173717

TRV 045

Fingolimod transdermal

Ponesimod

Etrasimod

CP1050

Siponimod

Ozanimod

Amiselimod

LC51-0255



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Product Development Activities

Drug profiles in the detailed report.....

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Cenerimod: Idorsia Pharmaceuticals

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Early Stage Products (Phase I)

Comparative Analysis

BMS 986104: Bristol-Myers Squibb

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

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