

# Interleukin 1 Receptor Type 1 - Pipeline Review, H2 2019

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## Abstracts

Interleukin 1 Receptor Type 1 - Pipeline Review, H2 2019

### SUMMARY

Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) - Interleukin 1 receptor, type I (IL1R1) or CD121a is an interleukin receptor encoded by IL1R1 gene. It plays an important role in many cytokine-induced immune and inflammatory responses. It mediates activation of NF-kappa-B, MAPK and other pathways.

Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) pipeline Target constitutes close to 9 molecules. Out of which approximately 8 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II and Preclinical stages are 1, 2 and 5 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Immunology, Oncology, Central Nervous System, Gastrointestinal, Respiratory, Cardiovascular, Dermatology, Ear Nose Throat Disorders, Genetic Disorders and Musculoskeletal Disorders which include indications Inflammation, Rheumatoid Arthritis, Ulcerative Colitis, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Advanced Malignancy, Asthma, Atopic Dermatitis (Atopic Eczema), Autoimmune Inner Ear Disease (AIED), Bronchiolitis Obliterans, Cancer Anorexia-Cachexia Syndrome, Crohn's Disease (Regional Enteritis), Gouty Arthritis (Gout), Inflammatory Bowel Disease, Intracerebral Hemorrhage, Limited/Distal Colitis, Metastatic Breast Cancer, Metastatic Cancer, Metastatic Colorectal Cancer, Metastatic Ovarian Cancer, Mucocutaneous Lymph Node Syndrome (Kawasaki

Disease), Mucopolysaccharidosis III (MPS III) (Sanfilippo Syndrome ), Myelodysplastic Syndrome, Myocarditis, Osteoarthritis Pain, Pain, Pancreatic Cancer, Pancreatic Ductal Adenocarcinoma, Renal Cell Carcinoma, Solid Tumor, Traumatic Brain Injury and Triple-Negative Breast Cancer (TNBC).

The latest report Interleukin 1 Receptor Type 1 - Pipeline Review, H2 2019, outlays comprehensive information on the Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type. It also reviews key players involved in Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) targeted therapeutics development with respective active and dormant or discontinued projects.

The report is built using data and information sourced from proprietary databases, company/university websites, clinical trial registries, conferences, SEC filings, investor presentations and featured press releases from company/university sites and industry-specific third party sources.

## **SCOPE**

The report provides a snapshot of the global therapeutic landscape for Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1)

The report reviews Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) targeted therapeutics under development by companies and universities/research institutes based on information derived from company and industry-specific sources

The report covers pipeline products based on various stages of development ranging from pre-registration till discovery and undisclosed stages

The report features descriptive drug profiles for the pipeline products which includes, product description, descriptive MoA, R&D brief, licensing and collaboration details & other developmental activities

The report reviews key players involved in Interleukin 1 Receptor Type 1

(CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) targeted therapeutics and enlists all their major and minor projects

The report assesses Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) targeted therapeutics based on mechanism of action (MoA), route of administration (RoA) and molecule type

The report summarizes all the dormant and discontinued pipeline projects

The report reviews latest news and deals related to Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) targeted therapeutics

## **REASONS TO BUY**

Gain strategically significant competitor information, analysis, and insights to formulate effective R&D strategies

Identify emerging players with potentially strong product portfolio and create effective counter-strategies to gain competitive advantage

Identify and understand the targeted therapy areas and indications for Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1)

Identify the use of drugs for target identification and drug repurposing

Identify potential new clients or partners in the target demographic

Develop strategic initiatives by understanding the focus areas of leading companies

Plan mergers and acquisitions effectively by identifying key players and it's most promising pipeline therapeutics

Devise corrective measures for pipeline projects by understanding Interleukin 1

Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) development landscape

Develop and design in-licensing and out-licensing strategies by identifying prospective partners with the most attractive projects to enhance and expand business potential and scope

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Paradigm Biopharmaceuticals Ltd

Paras Biopharmaceuticals Finland Oy

ProteoThera Inc

Ribomic Inc

Swedish Orphan Biovitrum AB

XL-protein GmbH

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anakinra - Drug Profile

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anakinra biosimilar - Drug Profile

Product Description

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R&D Progress

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Interleukin 1 Receptor Type 1 (CD121 Antigen Like Family Member A or Interleukin 1 Receptor Alpha or p80 or CD121a or IL1R1) - Product Development Milestones

Featured News & Press Releases

Oct 03, 2018: Results from the anaGO study - a phase 2 study with anakinra in patients with acute gout

Sep 21, 2018: Phase2a Nerofe study has begun in Rabin and Kaplan medical centers

Sep 20, 2018: New way to target advanced breast cancers

Apr 11, 2018: Kineret (anakinra) approved in the EU for the treatment of Still's disease

Mar 26, 2018: Drug reduces inflammation in stroke patients

Feb 23, 2018: Kineret (anakinra) receives a positive opinion from CHMP for the treatment of Still's disease

Nov 21, 2017: Successful Completion of Phase I Nerofe Trial on Solid Tumor

Nov 16, 2017: First patient randomised in a phase 3 study evaluating safety and efficacy of anakinra in the treatment of Still's disease

May 30, 2017: Kineret approved in Canada for the treatment of Neonatal-Onset Multisystem Inflammatory Disease

Jan 11, 2017: First patient randomised in a phase II study evaluating safety and efficacy of anakinra in the treatment of acute gout

Jun 06, 2016: Pfizer CentreOne to manufacture Sobi's Kineret drug substance

Apr 21, 2016: European patent granted on new formulation of Kineret (anakinra)

Feb 23, 2016: Sobi to initiate clinical development programs in acute gout and Still disease, and receives US patent on new formulation for Kineret (anakinra)

Nov 01, 2015: Immune System Key: Nerofe's Triple Action

Aug 19, 2015: Kineret receives Australian regulatory approval for use in Systemic Juvenile Idiopathic Arthritis

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Onspira Therapeutics Inc

Paradigm Biopharmaceuticals Ltd

Paras Biopharmaceuticals Finland Oy

ProteoThera Inc

Ribomic Inc

Swedish Orphan Biovitrum AB

XL-protein GmbH

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