

# **Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) - Pipeline Review, H1 2018**

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## **Abstracts**

Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) - Pipeline Review, H1 2018

### **SUMMARY**

According to the recently published report 'Tyrosine Protein Kinase JAK3 - Pipeline Review, H1 2018'; Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) pipeline Target constitutes close to 24 molecules. Out of which approximately 24 molecules are developed by Companies.

Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) - Tyrosine-protein kinase JAK3 is an enzyme encoded by the JAK3 gene. It is involved in various processes such as cell growth, development, or differentiation. Mediates essential signaling events in both innate and adaptive immunity and plays a crucial role in hematopoiesis during T-cells development. It plays a pivotal role in signal transduction via its association with type I receptors sharing the common subunit gamma such as IL2R, IL4R, IL7R, IL9R, IL15R and IL21R. Following ligand binding to cell surface receptors phosphorylates specific tyrosine residues on the cytoplasmic tails of the receptor, creating docking sites for STATs proteins.

The report 'Tyrosine Protein Kinase JAK3 - Pipeline Review, H1 2018' outlays comprehensive information on the Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type; that are being developed by

## Companies/Universities.

It also reviews key players involved in Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 2, 2, 4, 2, 10 and 4 respectively. Report covers products from therapy areas Immunology, Dermatology, Oncology, Gastrointestinal, Musculoskeletal Disorders and Ophthalmology which include indications Rheumatoid Arthritis, Alopecia, Psoriasis, Atopic Dermatitis, Ulcerative Colitis, Vitiligo, Crohn's Disease (Regional Enteritis), Diffuse Large B-Cell Lymphoma, Inflammation, Mantle Cell Lymphoma, Allergic Conjunctivitis, Androgenic Alopecia, Ankylosing Spondylitis (Bekhterev's Disease), Arthritis, Autoimmune Disorders, B-Cell Chronic Lymphocytic Leukemia, B-Cell Non-Hodgkin Lymphoma, Cachexia, Chronic Cutaneous Lupus Erythematosus (CCLE)/Discoid Lupus Erythematosus (DLE), Chronic Lymphocytic Leukemia (CLL), Cutaneous T-Cell Lymphoma, Dermatomyositis, Eczema, Follicular Lymphoma, Heart Transplant Rejection, Inflammatory Bowel Disease, Juvenile Rheumatoid Arthritis, Marginal Zone B-cell Lymphoma, Myeloproliferative Disorders, Peripheral T-Cell Lymphomas (PTCL), Pruritus, Psoriatic Arthritis, Sarcopenia, Systemic Lupus Erythematosus, Systemic Sclerosis (Scleroderma) and Waldenstrom Macroglobulinemia.

**Note:** Certain content/sections in the pipeline guide may be removed or altered based on the availability and relevance of data.

## SCOPE

The report provides a snapshot of the global therapeutic landscape for Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2)

The report reviews Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) 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 Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) targeted therapeutics and enlists all their major and minor projects

The report assesses Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) 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 Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) 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 Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2)

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 Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) 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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Clevexel Pharma SAS

Guangdong Zhongsheng Pharmaceutical Co Ltd

Japan Tobacco Inc

KBP BioSciences Co Ltd

LSK BioPartners Inc

Merck & Co Inc

MYOS RENS Technology Inc

Pfizer Inc

Portola Pharmaceuticals Inc

Sienna Biopharmaceuticals Inc

Sincere Pharmaceutical Group

Theravance Biopharma Inc

Tyrosine Protein Kinase JAK3 (Janus Kinase 3 or Leukocyte Janus Kinase or JAK3 or EC 2.7.10.2) - Drug Profiles

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Featured News & Press Releases

Apr 25, 2018: Portola Pharmaceuticals to Present New Interim Phase 2 Data for Cerdulatinib at the 2018 American Society of Clinical Oncology (ASCO) Annual Meeting

Apr 23, 2018: Aclaris Therapeutics Announces First Patient Dosed in a Pilot Study with ATI-502 Topical in Patients with Androgenetic Alopecia

Mar 12, 2018: Sienna Biopharmaceuticals Announces First Patient Dosed in Proof-of-Concept Trial of Topical by Design JAK Inhibitor SNA-125 for Atopic Dermatitis

Mar 08, 2018: Pfizer Announces Favorable Outcome of FDA Advisory Committee Meeting on XELJANZ (tofacitinib) for Moderately to Severely Active Ulcerative Colitis

Feb 14, 2018: Sienna Biopharmaceuticals Announces First Patient Dosed in First-in-Human Trial of Topical SNA-125

Feb 12, 2018: Xeljanz is accepted for restricted use within NHS Scotland

Feb 08, 2018: Astellas Announce Top-Line Results for Two Phase 3 Trials of Peficitinib in Rheumatoid Arthritis Patients with Inadequate Response to Existing Therapy

Jan 12, 2018: Top-line Results of the Topical JTE-052 JAK Inhibitor Phase 3 Clinical

Study (Comparative Study) in Japan

Dec 19, 2017: Aclaris Therapeutics Initiates a Pilot Clinical Trial to Study ATI-50002 Topical in Patients with Vitiligo

Dec 14, 2017: Pfizer Announces FDA Approval Of Xeljanz (Tofacitinib) For The Treatment Of Active Psoriatic Arthritis

Dec 14, 2017: Pfizer Announces FDA Approval Of Xeljanz XR For The Treatment Of Active Psoriatic Arthritis

Dec 12, 2017: U.S. Food And Drug Administration Extends Action Date For XELJANZ (Tofacitinib) Supplemental New Drug Application In Ulcerative Colitis By Three Months

Nov 30, 2017: Portola Pharmaceuticals to Present New Data on Cerdulatinib at the 59th American Society of Hematology (ASH) Annual Meeting

Oct 16, 2017: New Ulcerative Colitis Data for XELJANZ (tofacitinib) at Upcoming Gastroenterology Congresses

Sep 08, 2017: NICE issues positive recommendation for XELJANZ (tofacitinib citrate) as a new treatment option for adults with severe rheumatoid arthritis

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Arrien Pharmaceuticals LLC  
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Bristol-Myers Squibb Co  
Chipscreen Biosciences Ltd  
Clevexel Pharma SAS  
Guangdong Zhongsheng Pharmaceutical Co Ltd  
Japan Tobacco Inc  
KBP BioSciences Co Ltd  
LSK BioPartners Inc  
Merck & Co Inc  
MYOS RENS Technology Inc  
Pfizer Inc  
Portola Pharmaceuticals Inc  
Sienna Biopharmaceuticals Inc  
Sincere Pharmaceutical Group  
Theravance Biopharma Inc

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