

# Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2) - Pipeline Review, H2 2018

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## Abstracts

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### SUMMARY

According to the recently published report 'Tyrosine Protein Kinase JAK1 - Pipeline Review, H2 2018'; Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2) pipeline Target constitutes close to 33 molecules.

Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2) - JAK1 is a human tyrosine kinase protein essential for signaling for certain type I and type II cytokines. JAK1 plays a critical role in initiating responses to multiple major cytokine receptor families. Expression of JAK1 in cancer cells enables individual cells to contract, potentially allowing them to escape their tumor and metastasize to other parts of the body.

The report 'Tyrosine Protein Kinase JAK1 - Pipeline Review, H2 2018' outlays comprehensive information on the Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 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 JAK1 (Janus Kinase 1 or JAK1 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, Preclinical and Discovery stages are 2, 6, 11, 12



and 2 respectively. Report covers products from therapy areas Immunology, Dermatology, Oncology, Gastrointestinal, Musculoskeletal Disorders, Cardiovascular, Central Nervous System, Respiratory, Hematological Disorders and Ophthalmology which include indications Rheumatoid Arthritis, Atopic Dermatitis (Atopic Eczema), Alopecia, Ulcerative Colitis, Crohn's Disease (Regional Enteritis), Vitiligo, Psoriasis, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Diffuse Large B-Cell Lymphoma, Psoriatic Arthritis, Ankylosing Spondylitis (Bekhterev's Disease), B-Cell Non-Hodgkin Lymphoma, Chronic Lymphocytic Leukemia (CLL), Giant Cell Arteritis (Temporal Arteritis/Cranial Arteritis/Horton Disease), Graft Versus Host Disease (GVHD), Head And Neck Cancer Squamous Cell Carcinoma, Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Lymphoma, Mantle Cell Lymphoma, Myelodysplastic Syndrome, Non-Small Cell Lung Cancer, Peripheral T-Cell Lymphomas (PTCL), Relapsed Multiple Myeloma, Systemic-Onset Juvenile Idiopathic Arthritis (Still Disease), Waldenstrom Macroglobulinemia (Lymphoplasmacytic Lymphoma), Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Androgenic Alopecia, Arthritis, Auto Inflammatory Disease, B-Cell Chronic Lymphocytic Leukemia, Breast Cancer, Bronchiolitis Obliterans, Cancer Anorexia-Cachexia Syndrome, Chronic Asthma, Chronic Myelocytic Leukemia (CML, Chronic Myeloid Leukemia), Colon Cancer, Colorectal Cancer, Cutaneous Lupus Erythematosus, Cutaneous T-Cell Lymphoma, Dermatomyositis, Endometrial Cancer, Essential Thrombocythemia, Follicular Lymphoma, Gastric Cancer, Hairy Cell Leukemia, Hidradenitis Suppurativa, Hypopharyngeal Cancer, Inflammation, Inflammatory Bowel Disease, Kidney Cancer (Renal Cell Cancer), Laryngeal Cancer, Leiomyosarcoma, Lupus Erythematosus, Lupus Nephritis, Marginal Zone B-cell Lymphoma, Melanoma, Metastatic Adenocarcinoma of The Pancreas, Metastatic Breast Cancer, Metastatic Prostate Cancer, Multiple Myeloma (Kahler Disease), Multiple Sclerosis, Myelofibrosis, Myxoid Liposarcoma, Non-Hodgkin Lymphoma, Oral Cavity (Mouth) Cancer, Oropharyngeal Cancer, Pancreatic Cancer, Pancreatic Ductal Adenocarcinoma, Parkinson's Disease, Plaque Psoriasis (Psoriasis Vulgaris), Post-Polycythemia Vera Myelofibrosis (PPV-MF), Refractory Acute Myeloid Leukemia, Refractory Multiple Myeloma, Relapsed Acute Myeloid Leukemia, Renal Cell Carcinoma, Sicca Syndrome (Sjogren), Skin Cancer, Spondyloarthritis (Spondyloarthropathy), Synovial Sarcoma, Systemic Lupus Erythematosus, Thalassemia, Thrombocythemia Myelofibrosis, Transitional Cell Cancer (Urothelial Cell Cancer), Transitional Cell Carcinoma (Urothelial Cell Carcinoma) and Uveitis.

**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 JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2)

The report reviews Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 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 JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2) targeted therapeutics and enlists all their major and minor projects

The report assesses Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 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 JAK1 (Janus Kinase 1 or JAK1 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 JAK1 (Janus Kinase 1 or JAK1 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 JAK1 (Janus Kinase 1 or JAK1 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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**Product Description** Mechanism Of Action **R&D** Progress abrocitinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress ATI-1777 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress ATI-501 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress ATI-502 - Drug Profile **Product Description** Mechanism Of Action R&D Progress AZD-0449 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress AZD-1480 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress AZD-4205 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress baricitinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress cerdulatinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress

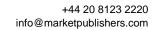


CJ-15314 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress CTP-543 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress delgocitinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress filgotinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress INCB-52793 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress INCB-54707 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress itacitinib adipate - Drug Profile **Product Description** Mechanism Of Action R&D Progress LP-0184 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress NIP-565 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress peficitinib hydrobromide - Drug Profile **Product Description** 

Mechanism Of Action



**R&D** Progress PF-06700841 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress ruxolitinib phosphate - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress SAR-20347 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress SART-29 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress SDC-1801 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress SDC-1802 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress SHR-0302 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Small Molecule to Inhibit JAK1 for Rheumatoid Arthritis - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Small Molecules to Inhibit JAK1 and JAK3 for Inflammation - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Small Molecules to Inhibit Jak1 for Oncology - Drug Profile **Product Description** 





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study in oral late-breaker presentation at UEG Week 2018 Oct 22, 2018: Positive phase 2b data for AbbVie's Upadacitinib show significant induction of clinical remission and response in patients with Ulcerative Colitis Oct 20, 2018: Phase 3 data on Filgotinib in biologic-experienced Rheumatoid Arthritis to be presented at 2018 ACR/ARHP Annual Meeting Oct 16, 2018: AbbVie to present data on Upadacitinib at UEG Week 2018 Oct 15, 2018: New data showcasing Lilly's growing commitment in Rheumatology to be featured at the ACR/ARHP Annual Meeting Oct 10, 2018: Theravance Biopharma Announces Data from Phase 1b Study of TD-1473 Selected for Oral Late-Breaker Presentation at UEG Week 2018 Oct 08, 2018: AbbVie to provides update on Upadacitinib at the 2018 ACR/ARHP Annual Meeting Appendix Methodology Coverage Secondary Research **Primary Research** Expert Panel Validation Contact Us Disclaimer



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#### **COMPANIES MENTIONED**

AbbVie Inc Aclaris Therapeutics Inc Astellas Pharma Inc. AstraZeneca Plc **Bristol-Myers Squibb Co** CJ HealthCare Corp **Concert Pharmaceuticals Inc** Eli Lilly and Co Galapagos NV Han Wha Pharma Co Ltd Incyte Corp Japan Tobacco Inc Jiangsu Hengrui Medicine Co Ltd LEO Pharma A/S Nissan Chemical Industries Ltd Pfizer Inc Portola Pharmaceuticals Inc Sareum Holdings Plc **Theravance Biopharma Inc** 



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