

# Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2) - Pipeline Review, H1 2018

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## Abstracts

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## SUMMARY

Tyrosine Protein Kinase JAK1 (Janus Kinase 1 or JAK1 or EC 2.7.10.2) pipeline Target constitutes close to 28 molecules. The latest report Tyrosine Protein Kinase JAK1 - Pipeline Review, H1 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.

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 molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 7, 5, 4, 9 and 2 respectively. Report covers products from therapy areas Immunology, Dermatology, Oncology, Gastrointestinal, Musculoskeletal Disorders, Cardiovascular, Central Nervous System, Hematological Disorders, Ophthalmology and Respiratory which include indications Rheumatoid Arthritis, Atopic Dermatitis, Alopecia, Ulcerative Colitis, Crohn's Disease (Regional Enteritis), Diffuse Large B-Cell Lymphoma, Psoriasis, Psoriatic Arthritis, Vitiligo, Acute



Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Ankylosing Spondylitis (Bekhterev's Disease), B-Cell Non-Hodgkin Lymphoma, Chronic Lymphocytic Leukemia (CLL), Giant Cell Arteritis, Graft Versus Host Disease (GVHD), Head And Neck Cancer Squamous Cell Carcinoma, Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Mantle Cell Lymphoma, Myelodysplastic Syndrome, Non-Small Cell Lung Cancer, Peripheral T-Cell Lymphomas (PTCL), Relapsed Multiple Myeloma, Waldenstrom Macroglobulinemia, Androgenic Alopecia, Arthritis, Auto Inflammatory Disease, B-Cell Chronic Lymphocytic Leukemia, Breast Cancer, Cancer Anorexia-Cachexia Syndrome, Chronic Asthma, Chronic Myelocytic Leukemia (CML, Chronic Myeloid Leukemia), Colorectal Cancer, Cutaneous Lupus Erythematosus, Cutaneous T-Cell Lymphoma, Dermatomyositis, Eczema, Endometrial Cancer, Essential Thrombocythemia, Follicular Lymphoma, Gastric Cancer, Hairy Cell Leukemia, Hypopharyngeal Cancer, Inflammation, Inflammatory Bowel Disease, Laryngeal Cancer, Lupus Erythematosus, Lupus Nephritis, Lymphoma, Marginal Zone B-cell Lymphoma, Melanoma, Metastatic Adenocarcinoma of The Pancreas, Metastatic Breast Cancer, Metastatic Prostate Cancer, Multiple Myeloma (Kahler Disease), Multiple Sclerosis, Myelofibrosis, Non-Hodgkin Lymphoma, Oral Cavity (Mouth) Cancer, Oropharyngeal 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), Spondyloarthritis (Spondyloarthropathy), Systemic Lupus Erythematosus, Systemic-Onset Juvenile Idiopathic Arthritis (Still Disease), Thalassemia, Thrombocythemia Myelofibrosis, Transitional Cell Cancer (Urothelial Cell Cancer), Transitional Cell Carcinoma (Urothelial Cell Carcinoma) and Uveitis.

Furthermore, this report 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. Driven by 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.

**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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delgocitinib - Drug Profile

Product Description Mechanism Of Action

R&D Progress

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Product Description

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Product Description

Mechanism Of Action

**R&D** Progress

itacitinib adipate - Drug Profile

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Mechanism Of Action



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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 25, 2018: AbbVie's Upadacitinib Meets Primary and Key Efficacy Endpoints in Phase 2b/3 Rheumatoid Arthritis Study in Japanese Patients

Apr 25, 2018: AbbVie's Upadacitinib Meets Primary and Key Efficacy Endpoints in Phase 2b/3 Rheumatoid Arthritis Study in Japanese Patients

Apr 25, 2018: Concert Pharmaceuticals Completes Enrollment in Phase 2a Trial of CTP-543 in Alopecia Areata

Apr 23, 2018: FDA Advisory Committee Recommends the Approval of Baricitinib 2mg, but not 4mg, for the Treatment of Moderately-to-Severely Active Rheumatoid Arthritis Apr 23, 2018: Aclaris Therapeutics Announces First Patient Dosed in a Pilot Study with ATI-502 Topical in Patients with Androgenetic Alopecia

Apr 09, 2018: Upadacitinib Meets All Primary and Ranked Secondary Endpoints Including Superiority Versus Adalimumab in Phase 3 Study in Rheumatoid Arthritis Feb 17, 2018: AbbVie Presents New Late-Breaking Phase 2b Data on Upadacitinib in Atopic Dermatitis at the 2018 American Academy of Dermatology Annual Meeting Feb 16, 2018: AbbVie Announces New Phase 2 Data for Upadacitinib Showing Clinical and Endoscopic Outcomes in Crohn's Disease at 52 Weeks

Feb 14, 2018: Lilly to Showcase New Data for baricitinib at AAD Annual Meeting Feb 14, 2018: Pfizer Receives Breakthrough Therapy Designation from FDA for PF-04965842, an oral JAK1 Inhibitor, for the Treatment of Patients with Moderate-to-Severe Atopic Dermatitis

Feb 12, 2018: AbbVie to Present Data on Upadacitinib at 2018 American Academy of Dermatology Annual Meeting

Feb 12, 2018: Concert Pharmaceuticals Announces Initiation of Enrollment in Second Cohort of CTP-543 Phase 2a Trial for Alopecia Areata

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

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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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