

Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2) - Pipeline Review, H1 2018

<https://marketpublishers.com/r/T964F26DC4DEN.html>

Date: May 2018

Pages: 136

Price: US\$ 3,500.00 (Single User License)

ID: T964F26DC4DEN

Abstracts

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SUMMARY

Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2) - Janus kinase 2 is a non-receptor tyrosine kinase. It is involved in various processes such as cell growth, development, differentiation or histone modifications. It mediates essential signaling events in both innate and adaptive immunity. It plays a pivotal role in signal transduction via its association with type I receptors such as growth hormone, prolactin, leptin, erythropoietin, thrombopoietin or type II receptors including IFN-alpha, IFN-beta, IFN-gamma and multiple interleukins. It plays a role in cell cycle by phosphorylating CDKN1B.

Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2) pipeline Target constitutes close to 23 molecules. Out of which approximately 20 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 2, 3, 3, 2, 7 and 3 respectively. Similarly, the universities portfolio in Preclinical stages comprises 3 molecules, respectively.

Report covers products from therapy areas Oncology, Immunology, Dermatology, Hematological Disorders, Cardiovascular, Central Nervous System, Gastrointestinal, Genito Urinary System And Sex Hormones, Metabolic Disorders, Musculoskeletal Disorders, Ophthalmology and Respiratory which include indications Myelofibrosis, Atopic Dermatitis, Leukemias, Myeloproliferative Disorders, Post-Polycythemia Vera

Myelofibrosis (PPV-MF), Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Alopecia, Glioblastoma Multiforme (GBM), Hematological Tumor, Polycythemia Vera, Post-Essential Thrombocythemia Myelofibrosis (Post-ET MF), Psoriasis, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Anaplastic Astrocytoma, Asthma, Auto Inflammatory Disease, Autoimmune Disorders, B-Cell Leukemia, Bleeding And Clotting Disorders, Cancer Anorexia-Cachexia Syndrome, Chronic Lymphocytic Leukemia (CLL), Chronic Myelocytic Leukemia (CML, Chronic Myeloid Leukemia), Crohn's Disease (Regional Enteritis), Dermatomyositis, Diabetic Macular Edema, Diffuse Large B-Cell Lymphoma, Eczema, End-Stage Kidney Disease (End-Stage Renal Disease or ESRD), Essential Thrombocythemia, Giant Cell Arteritis, Gliosarcoma, Graft Versus Host Disease (GVHD), Head And Neck Cancer Squamous Cell Carcinoma, Hepatocellular Carcinoma, Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Hypopharyngeal Cancer, Laryngeal Cancer, Metastatic Prostate Cancer, Myelodysplastic Syndrome, Oral Cavity (Mouth) Cancer, Oropharyngeal Cancer, Parkinson's Disease, Peripheral T-Cell Lymphomas (PTCL), Proliferative Diabetic Retinopathy (PDR), Psoriatic Arthritis, Refractory Acute Myeloid Leukemia, Refractory Multiple Myeloma, Relapsed Acute Myeloid Leukemia, Relapsed Multiple Myeloma, Renal Failure, Rheumatoid Arthritis, Solid Tumor, Systemic Lupus Erythematosus, Systemic Sclerosis (Scleroderma), Thalassemia, Ulcerative Colitis, Vitiligo and Wet (Neovascular/Exudative) Macular Degeneration.

The latest report Tyrosine Protein Kinase JAK2 - Pipeline Review, H1 2018, outlays comprehensive information on the Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 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. It also reviews key players involved in Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2) 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.

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 JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2)

The report reviews Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 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 JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2) targeted therapeutics and enlists all their major and minor projects

The report assesses Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 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 JAK2 (Janus Kinase 2 or JAK2 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 JAK2 (Janus Kinase 2 or JAK2 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 JAK2 (Janus Kinase 2 or JAK2 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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Celon Pharma SA

Concert Pharmaceuticals Inc

CTI BioPharma Corp

Eli Lilly and Co

Incyte Corp

Japan Tobacco Inc

Nerviano Medical Sciences Srl

Novartis AG

NS Pharma Inc

Sincere Pharmaceutical Group

Theravance Biopharma Inc

Tyrosine Protein Kinase JAK2 (Janus Kinase 2 or JAK2 or EC 2.7.10.2) - Drug Profiles

APL-581 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AR-13503 - Drug Profile

Product Description
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Featured News & Press Releases

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

Mar 09, 2018: CTI BioPharma Announces Publication of Pacritinib Phase 3 PERSIST-2 Clinical Trial in JAMA Oncology

Feb 14, 2018: Lilly to Showcase New Data for baricitinib at AAD Annual Meeting

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

Jan 12, 2018: Top-line Results of the Topical JTE-052 JAK Inhibitor Phase 3 Clinical Study (Comparative Study) in Japan

Jan 12, 2018: FDA Grants Fast Track Designation to Concert Pharmaceuticals' CTP-543 for the Treatment of Alopecia Areata

Dec 11, 2017: Impact Biomedicines Presents Analysis at the 2017 ASH Annual Meeting Suggesting that Fedratinib Did Not Increase Wernicke Encephalopathy Risk in Phase 2 and 3 Myelofibrosis Clinical Trials

Dec 10, 2017: Four-Year Phase 3 Data Analysis Shows Durability of Response of Jakafi (ruxolitinib) in Patients with Polycythemia Vera

Nov 27, 2017: Impact Biomedicines to Present Retrospective Data on Fedratinib at the 2017 ASH Annual Meeting

Nov 15, 2017: Incyte Announces Initiation of Pivotal Clinical Trial of Ruxolitinib (Jakafi) for the Treatment of Essential Thrombocythemia

Nov 06, 2017: Concert Pharmaceuticals Announces Completion of Enrollment in First

Cohort of CTP-543 Phase 2a Trial

Nov 05, 2017: ACR/ARHP 2017: New Analysis Shows Rheumatoid Arthritis Patients Treated with Baricitinib Reported Greater Improvements in Pain Compared to Adalimumab or Placebo

Nov 01, 2017: Incyte Highlights Jakafi Data at 59th Annual ASH Meeting

Oct 30, 2017: Lilly to Present New Data on its Anti-inflammatory Drug Candidate Baricitinib at ACR/ARHP Annual Meeting

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COMPANIES MENTIONED

Aerie Pharmaceuticals Inc

AstraZeneca Plc

Bristol-Myers Squibb Co

Celon Pharma SA

Concert Pharmaceuticals Inc

CTI BioPharma Corp

Eli Lilly and Co

Incyte Corp

Japan Tobacco Inc

Nerviano Medical Sciences Srl

Novartis AG

NS Pharma Inc

Simcere Pharmaceutical Group

Theravance Biopharma Inc

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