

Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) - Pipeline Review, H1 2018

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Abstracts

Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) - Pipeline Review, H1 2018

SUMMARY

According to the recently published report 'Cyclin Dependent Kinase 9 - Pipeline Review, H1 2018'; Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) pipeline Target constitutes close to 25 molecules. Out of which approximately 21 molecules are developed by companies and remaining by the universities/institutes.

Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) - Cyclin-dependent kinase 9 (CDK9) is a cyclin-dependent kinase associated with P-TEFb. This kinase was found to be a component of the multiprotein complex TAK/P-

TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with CDK9 and cyclin T, which suggested a possible involvement of this protein in AIDS.

The report 'Cyclin Dependent Kinase 9 - Pipeline Review, H1 2018' outlays comprehensive information on the Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) 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 Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Phase II, Phase I, Preclinical and Discovery stages are 6, 6, 7 and 2 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 3 and 1 molecules, respectively.

Report covers products from therapy areas Oncology, Infectious Disease, Immunology, Hematological Disorders, Metabolic Disorders and Respiratory which include indications Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Breast Cancer, Diffuse Large B-Cell Lymphoma, Ovarian Cancer, Pancreatic Cancer, Refractory Acute Myeloid Leukemia, Refractory Chronic Lymphocytic Leukemia (CLL), Relapsed Chronic Lymphocytic Leukemia (CLL), Solid Tumor, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Chronic Lymphocytic Leukemia (CLL), Human Immunodeficiency Virus (HIV) Infections (AIDS), Lung Cancer, Multiple Myeloma (Kahler Disease), Myelodysplastic Syndrome, Neuroblastoma, Non-Hodgkin Lymphoma, Relapsed Acute Myeloid Leukemia, AIDS - Related Cancer, Anaplastic Astrocytoma, B-Cell Chronic Lymphocytic Leukemia, B-Cell Leukemia, B-Cell Non-Hodgkin Lymphoma, Bleeding And Clotting Disorders, Blood Cancer, Cystic Fibrosis, Epstein-Barr Virus (HHV-4) Infections, Gastric Cancer, Glioblastoma Multiforme (GBM), Gliosarcoma, Hepatitis B, Hepatocellular Carcinoma, Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Inflammation, Laryngeal Cancer, Leukemias, Lymphoma, Mantle Cell Lymphoma, Pituitary ACTH Hypersecretion

(Cushing Disease), Prostate Cancer, Pseudomonas aeruginosa Infections, Refractory Multiple Myeloma, Relapsed Multiple Myeloma, Rheumatoid Arthritis, Simplexvirus (HSV) Infections, Unspecified B-Cell Lymphomas, Uterine Cancer and Warts.

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 Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23)

The report reviews Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) 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 Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) targeted therapeutics and enlists all their major and minor projects

The report assesses Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) 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 Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23) 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 Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC 2.7.11.23)

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 Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Like Protein Kinase 4 or Cell Division Protein Kinase 9 or Serine/Threonine Protein Kinase PITALR or CDK9 or EC 2.7.11.22 or EC

2.7.11.23) 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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AstraZeneca Plc

Bayer AG

Cyclacel Pharmaceuticals Inc

Jyant Technologies Inc

MEI Pharma Inc

Tolero Pharmaceuticals Inc

Vichem Chemie Research Ltd

ViroStatics srl

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alvocidib hydrochloride - Drug Profile

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Featured News & Press Releases

Apr 17, 2018: Cyclacel's CYC065 CDK Inhibitor Demonstrates Synergy With Venetoclax By Dual Targeting Of Chronic Lymphocytic Leukemia

Cyclin Dependent Kinase 9 (Tat Associated Kinase Complex Catalytic Subunit or C 2K or Cell Division Cycle 2 Li...

Apr 16, 2018: Cyclacel Announces Presentation of Phase 1 Clinical Data for CDK Inhibitor CYC065 at AACR 2018 Annual Meeting

Apr 13, 2018: Tolero Pharmaceuticals to Present Preclinical Data Supporting Apoptosis-Inducing Activity of Alvocidib in Acute Myeloid Leukemia

Mar 15, 2018: Phase 1 Clinical Data with Cyclacel's CYC065 CDK Inhibitor Have Been Selected for Oral Presentation at AACR 2018 Annual Meeting

Jan 08, 2018: MEI Pharma Announces FDA Clearance of Investigational New Drug Application for CDK Inhibitor Voruciclib

Dec 21, 2017: MEI Pharma Announces Study of Clinical Stage Oral CDK Inhibitor Voruciclib Published in Nature Scientific Reports

Oct 23, 2017: Tolero Pharma To Present Preclinical Data for Cancer Drug Candidate TP-1287 for Myc-dependent Triple Negative Breast Cancer

Oct 05, 2017: Tolero Pharmaceuticals to Provide Update on alvocidib at 9th International Conference on Leukemia and Hematologic Oncology

Sep 26, 2017: Powerful Drug Combo Gangs Up to Tackle Triple-Negative Breast Cancer

Aug 07, 2017: Cyclacel Announces Selection of Recommended Phase 2 Dose for CYC065 and Evidence of Durable Target Engagement and Mcl-1 Biomarker Suppression

Jun 21, 2017: Tolero Pharmaceuticals to Expand Enrollment of Phase II Study of Alvocidib in MCL-1-Dependent AML into Europe

Jun 15, 2017: Tolero Pharmaceuticals to Present Supportive Preclinical Data for Investigational CDK Inhibitor Alvocidib at European Hematology Association Annual Meeting

May 08, 2017: Tolero Pharmaceuticals Appoints Robert Imani Vice President, Drug Development

Apr 05, 2017: Tolero Pharmaceuticals Presents Preclinical Data on CDK9 Inhibitor Alvocidib at AACR 2017

Apr 05, 2017: Tolero Pharmaceuticals Presents Preclinical Data on Alvocidib's Prodrug, TP-1287, at AACR 2017

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COMPANIES MENTIONED

Astex Pharmaceuticals Inc

AstraZeneca Plc

Bayer AG

Cyclacel Pharmaceuticals Inc

Jyant Technologies Inc

MEI Pharma Inc

Tolero Pharmaceuticals Inc

Vichem Chemie Research Ltd

ViroStatics srl

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