

Cyclin Dependent Kinase 9 - Pipeline Review, H2 2019

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Abstracts

Cyclin Dependent Kinase 9 - Pipeline Review, H2 2019

SUMMARY

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.

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 31 molecules. Out of which approximately 26 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase II, Phase I, IND/CTA Filed and Preclinical stages are 6, 8, 1 and 11 respectively.

Similarly, the universities portfolio in Phase I, Preclinical and Discovery stages comprises 1, 3 and 1 molecules, respectively. Report covers products from therapy areas Oncology, Infectious Disease, Immunology, Metabolic Disorders and Respiratory which include indications Refractory Acute Myeloid Leukemia, Breast Cancer, Relapsed Acute Myeloid Leukemia, Acute Myelocytic Leukemia (AML, Acute Myeloblastic

Leukemia), Diffuse Large B-Cell Lymphoma, Ovarian Cancer, Refractory Chronic Lymphocytic Leukemia (CLL), Relapsed Chronic Lymphocytic Leukemia (CLL), Human Immunodeficiency Virus (HIV) Infections (AIDS), Lung Cancer, Multiple Myeloma (Kahler Disease), Myelodysplastic Syndrome, Pancreatic Cancer, Solid Tumor, Triple-Negative Breast Cancer (TNBC), Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Chronic Lymphocytic Leukemia (CLL), Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Mantle Cell Lymphoma, Neuroblastoma, Non-Hodgkin Lymphoma, AIDS - Related Cancer, Anaplastic Astrocytoma, Androgen-Sensitive Prostate Cancer, B-Cell Chronic Lymphocytic Leukemia, B-Cell Non-Hodgkin Lymphoma, Chronic Myelomonocytic Leukemia (CMML), Cystic Fibrosis, Endometrial Cancer, Epstein-Barr Virus (HHV-4) Infections, Follicular Lymphoma, Gastric Cancer, Glioblastoma Multiforme (GBM), Gliosarcoma, Hepatitis B, Inflammation, Laryngeal Cancer, Leukemia, Lymphoma, Marginal Zone B-cell Lymphoma, Pediatric Diffuse Intrinsic Pontine Glioma, Pituitary ACTH Hypersecretion (Cushing Disease), Prostate Cancer, Pseudomonas aeruginosa Infections, Refractory Multiple Myeloma, Relapsed Multiple Myeloma, Rheumatoid Arthritis, Simplexvirus (HSV) Infections, Uterine Cancer and Warts.

The latest report Cyclin Dependent Kinase 9 - Pipeline Review, H2 2019, 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. 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.

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.

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 PITLR 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 PITLR 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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Astex Pharmaceuticals Inc

AstraZeneca Plc

Bayer AG

Changzhou Qianhong Bio-Pharma Co Ltd

Cyclacel Pharmaceuticals Inc

Jyant Technologies Inc

KinoPharma Inc

Kronos Bio Inc

MEI Pharma Inc

Neosome Life Sciences LLC

Onconova Therapeutics Inc

Rizen (Suzhou) Biosciences Co Ltd

Tolero Pharmaceuticals Inc

Vichem Chemie Research Ltd

ViroStatics SRL

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) -

Drug Profiles

alvocidib hydrochloride - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

alvocidib hydrochloride - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AT-7519 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

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Pipeline by Astex Pharmaceuticals Inc, H2 2019

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COMPANIES MENTIONED

Adastral Pharmaceuticals Inc

Astex Pharmaceuticals Inc

AstraZeneca Plc

Bayer AG

Changzhou Qianhong Bio-Pharma Co Ltd

Cyclacel Pharmaceuticals Inc

Jyant Technologies Inc

KinoPharma Inc

Kronos Bio Inc

MEI Pharma Inc

Neosome Life Sciences LLC

Onconova Therapeutics Inc

Rizen (Suzhou) Biosciences Co Ltd

Tolero Pharmaceuticals Inc

Vichem Chemie Research Ltd

ViroStatics SRL

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