

Cyclin Dependent Kinase 9 - Pipeline Review, H1 2020

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Abstracts

Cyclin Dependent Kinase 9 - Pipeline Review, H1 2020

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 32 molecules. Out of which approximately 27 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase II, Phase I, IND/CTA Filed, Preclinical and Discovery stages are 6, 8, 1, 11 and 1 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, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Breast Cancer, Relapsed Acute

Myeloid 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, 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, Neuroblastoma, 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, H1 2020, 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.

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 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

Contents

Introduction

Global Markets Direct Report Coverage

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) - Overview

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) - Therapeutics Development

Products under Development by Stage of Development

Products under Development by Therapy Area

Products under Development by Indication

Products under Development by Companies

Products under Development by 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) - Therapeutics Assessment

Assessment by Mechanism of Action

Assessment by Route of Administration

Assessment by Molecule Type

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) - Companies Involved in Therapeutics Development

Adastra Pharmaceuticals Inc

Astex Pharmaceuticals Inc

AstraZeneca Plc

Bayer AG

Changzhou Qianhong Bio-Pharma Co Ltd

Cyclacel Pharmaceuticals Inc

Jyant Technologies Inc

Kronos Bio Inc

MEI Pharma Inc

Neosome Life Sciences LLC

Onconova Therapeutics Inc

Pharos I&BT Co Ltd

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

atuveciclib - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AZ-5576 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AZD-4573 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

BAY-1251152 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

CCT-68127 - Drug Profile

Product Description

Mechanism Of Action
R&D Progress
CYC-065 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
FIT-039 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
I-073 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
JS-104 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
JSH-150 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
NEOS-518 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
ON-108600 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
QHRD-107 - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
sapacitabine + seliciclib - Drug Profile
Product Description
Mechanism Of Action
R&D Progress
seliciclib - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit CDK9 for Acute Myelocytic Leukemia - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit CDK9 for Breast Cancer - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit CDK9 for HIV Infections and Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit CDK9 for Inflammation and Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit CDK9 for Multiple Myeloma - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit CDK9 for Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecule to Inhibit Cyclin Dependent Kinase 9 for Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecules to Inhibit CDK4, CDK6 and CDK9 for EBV Infections - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecules to Inhibit CDK9 for HIV-1 Infection - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecules to Inhibit CDK9 for Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

TP-1287 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

voruciclib - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

VS-2370 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

zotiraciclib citrate - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

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) - Dormant Products

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) - Discontinued Products

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) -

Product Development Milestones

Featured News & Press Releases

Appendix

List Of Tables

LIST OF TABLES

Number of Products under Development by Stage of Development, H1 2020
Number of Products under Development by Therapy Areas, H1 2020
Number of Products under Development by Indications, H1 2020
Number of Products under Development by Indications, H1 2020 (Contd..1), H1 2020
Number of Products under Development by Indications, H1 2020 (Contd..2), H1 2020
Number of Products under Development by Companies, H1 2020
Products under Development by Companies, H1 2020
Products under Development by Companies, H1 2020 (Contd..1), H1 2020
Products under Development by Companies, H1 2020 (Contd..2), H1 2020
Products under Development by Companies, H1 2020 (Contd..3), H1 2020
Products under Development by Companies, H1 2020 (Contd..4), H1 2020
Products under Development by Companies, H1 2020 (Contd..5), H1 2020
Number of Products under Investigation by Universities/Institutes, H1 2020
Products under Investigation by Universities/Institutes, H1 2020
Number of Products by Stage and Mechanism of Actions, H1 2020
Number of Products by Stage and Route of Administration, H1 2020
Number of Products by Stage and Molecule Type, H1 2020
Pipeline by Aadastra Pharmaceuticals Inc, H1 2020
Pipeline by Astex Pharmaceuticals Inc, H1 2020
Pipeline by AstraZeneca Plc, H1 2020
Pipeline by Bayer AG, H1 2020
Pipeline by Changzhou Qianhong Bio-Pharma Co Ltd, H1 2020
Pipeline by Cyclacel Pharmaceuticals Inc, H1 2020
Pipeline by Jyant Technologies Inc, H1 2020
Pipeline by Kronos Bio Inc, H1 2020
Pipeline by MEI Pharma Inc, H1 2020
Pipeline by Neosome Life Sciences LLC, H1 2020
Pipeline by Onconova Therapeutics Inc, H1 2020
Pipeline by Pharos I&BT Co Ltd, H1 2020
Pipeline by Rizen (Suzhou) Biosciences Co Ltd, H1 2020
Pipeline by Tolero Pharmaceuticals Inc, H1 2020
Pipeline by Vichem Chemie Research Ltd, H1 2020
Pipeline by ViroStatics SRL, H1 2020
Dormant Products, H1 2020
Dormant Products, H1 2020 (Contd..1), H1 2020

Dormant Products, H1 2020 (Contd..2), H1 2020
Dormant Products, H1 2020 (Contd..3), H1 2020
Discontinued Products, H1 2020

List Of Figures

LIST OF FIGURES

Number of Products under Development by Stage of Development, H1 2020

Number of Products under Development by Therapy Areas, H1 2020

Number of Products under Development by Top 10 Indications, H1 2020

Number of Products by Stage and Mechanism of Actions, H1 2020

Number of Products by Routes of Administration, H1 2020

Number of Products by Stage and Routes of Administration, H1 2020

Number of Products by Stage and Molecule Type, H1 2020

COMPANIES MENTIONED

Adastral Pharmaceuticals Inc

Astex Pharmaceuticals Inc

AstraZeneca Plc

Bayer AG

Changzhou Qianhong Bio-Pharma Co Ltd

Cyclacel Pharmaceuticals Inc

Jyant Technologies Inc

Kronos Bio Inc

MEI Pharma Inc

Neosome Life Sciences LLC

Onconova Therapeutics Inc

Pharos I&BT Co Ltd

Rizen (Suzhou) Biosciences Co Ltd

Tolero Pharmaceuticals Inc

Vichem Chemie Research Ltd

ViroStatics SRL

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