

# **Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) - Pipeline Review, H2 2018**

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## **Abstracts**

Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) - Pipeline Review, H2 2018

### **SUMMARY**

Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) - Cyclin-dependent kinase 4 is an enzyme encoded by the CDK4 gene. Ser/Thr-kinase component of cyclin D-CDK4 (DC) complexes phosphorylate and inhibit members of the retinoblastoma (RB) protein family including RB1 and regulate the cell-cycle during G1/S transition. Activation of the cyclin-D-CDK4 complex appears to require other factors such as recruitment of the substrate via a substrate recruitment motif, and/or formation of the CDKN1B ternary complex.

Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) pipeline Target constitutes close to 23 molecules. Out of which approximately 22 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical, Discovery and Unknown stages are 3, 5, 3, 9, 1 and 1 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Oncology, Infectious Disease, Immunology, Metabolic Disorders and Toxicology which include indications Breast Cancer, Metastatic Breast Cancer, Colorectal Cancer, Mantle Cell Lymphoma, Non-Small Cell Lung Cancer, Bladder Cancer, Endometrial Cancer, Esophageal Cancer, Gastric Cancer, Metastatic Colorectal Cancer, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Pancreatic Cancer, Acute Myelocytic

Leukemia (AML, Acute Myeloblastic Leukemia), Dedifferentiated Liposarcoma, Glioblastoma Multiforme (GBM), Hepatocellular Carcinoma, Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Leukemias, Liposarcoma, Lymphoma, Metastatic Hepatocellular Carcinoma (HCC), Metastatic Melanoma, Neuroblastoma, Oligodendroglioma, Pancreatic Ductal Adenocarcinoma, Peritoneal Cancer, Recurrent Glioblastoma Multiforme (GBM), Thymic Carcinoma, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), AIDS - Related Cancer, Anaplastic Oligoastrocytoma, Astrocytoma, Brain Tumor, Cervical Cancer, Chemotherapy Induced Myelosuppression, Chordoma, Chronic Lymphocytic Leukemia (CLL), Colon Cancer, Diffuse Large B-Cell Lymphoma, Ductal Carcinoma In Situ, Duodenal Cancer, Ependymoma, Epithelial Ovarian Cancer, Epstein-Barr Virus (HHV-4) Infections, Ewing Sarcoma, Fallopian Tube Cancer, Follicular Lymphoma, Head And Neck Cancer, High-Grade Glioma, Human Immunodeficiency Virus (HIV) Infections (AIDS), Kidney Cancer (Renal Cell Cancer), Liver Cancer, Lung Cancer, Malignant Mesothelioma, Marginal Zone B-cell Lymphoma, Medulloblastoma, Melanoma, Meningioma, Metastatic Adenocarcinoma of The Pancreas, Metastatic Brain Tumor, Metastatic Ovarian Cancer, Metastatic Pancreatic Cancer, Multiple Myeloma (Kahler Disease), Neuroendocrine Tumors, Nonmelanomatous Skin Cancer, Ovarian Cancer, Pediatric Diffuse Intrinsic Pontine Glioma, Primary CNS Lymphoma, Recurrent Head And Neck Cancer Squamous Cell Carcinoma, Refractory Chronic Lymphocytic Leukemia (CLL), Relapsed Chronic Lymphocytic Leukemia (CLL), Rhabdomyosarcoma, Rheumatoid Arthritis, Small-Cell Lung Cancer, Solid Tumor, Squamous Non-Small Cell Lung Cancer, Type 2 Diabetes and Well Differentiated Liposarcoma.

The latest report Cyclin Dependent Kinase 4 - Pipeline Review, H2 2018, outlays comprehensive information on the Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) 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 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) 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 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22)

The report reviews Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) 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 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) targeted therapeutics and enlists all their major and minor projects

The report assesses Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) 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 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) 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 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22)

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 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) 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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Jiangsu Hengrui Medicine Co Ltd

MEI Pharma Inc

MetaMax Ltd

Novartis AG

Onconova Therapeutics Inc

Pfizer Inc

Sihuan Pharmaceutical Holdings Group Ltd

Sino Biopharmaceutical Ltd

Teijin Pharma Ltd

Tiziana Life Sciences Plc

ViroStatics srl

Cyclin Dependent Kinase 4 (Cell Division Protein Kinase 4 or PSK J3 or CDK4 or EC 2.7.11.22) - Drug Profiles

abemaciclib - Drug Profile

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Mechanism Of Action

R&D Progress

BEBT-209 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

BPI-1178 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

GZ-381 - Drug Profile

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Mechanism Of Action

R&D Progress

HEC-80797 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Ierociclib - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

milciclib - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

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R&D Progress

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Product Description

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Product Description

Mechanism Of Action

R&D Progress

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Product Description

Mechanism Of Action

R&D Progress

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Mechanism Of Action

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Featured News & Press Releases

Nov 01, 2018: MEI Pharma to present preclinical data of Voruciclib in combination with Venetoclax at ASH 2018

Oct 23, 2018: Targeted drug could extend lives of some women with advanced breast cancer

Oct 22, 2018: Pfizer's palbociclib increases overall survival in breast cancer patients

Oct 21, 2018: G1 Therapeutics presents additional data from randomized phase 2 trial of Trilaciclib in combination with Etoposide/Carboplatin for treatment of first-line small cell lung cancer

Oct 16, 2018: Tiziana Life Sciences presents data from animal studies demonstrating the potential synergistic activity of Milciclib with tyrosine kinase inhibitors to treat Hepatocellular Carcinoma (HCC) at the American Association for the Study of Liver Diseases (AASLD)

Oct 09, 2018: G1 Therapeutics to present additional data from randomized phase 2 trial of Trilaciclib in combination with Etoposide/Carboplatin at European Society for Medical Oncology (ESMO) 2018 Congress

Oct 03, 2018: EU nod for Lilly's new breast cancer drug

Sep 17, 2018: G1 Therapeutics to report Myelopreservation data from randomized phase 2 trial of Trilaciclib/Chemotherapy/Tecentriq in Small Cell Lung Cancer in Fourth Quarter 2018

Sep 13, 2018: G1 Therapeutics announces appointment of Garry Nicholson to Board of Directors



Aug 07, 2018: Pfizer's breakthrough innovative drug IBRANCE (palbociclib) receives approval in China

Jul 26, 2018: Lilly receives CHMP's positive opinion for Verzenios

Jul 18, 2018: FDA approves expanded indication for Novartis drug Kisqali

Jul 09, 2018: TRIO Awarded NATALEE Study, Largest Single Phase III Breast Cancer Clinical Trial in its History

Jun 25, 2018: Pfizer unveils new results from PALOMA-3 trial for breast cancer

Jun 04, 2018: Results from AstraZeneca Study Presented at ASCO

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Eli Lilly and Co

G1 Therapeutics Inc

Jiangsu Hengrui Medicine Co Ltd

MEI Pharma Inc

MetaMax Ltd

Novartis AG

Onconova Therapeutics Inc

Pfizer Inc

Sihuan Pharmaceutical Holdings Group Ltd

Sino Biopharmaceutical Ltd

Teijin Pharma Ltd

Tiziana Life Sciences Plc

ViroStatics srl

## I would like to order

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