

# Cyclin Dependent Kinase 6 - Pipeline Review, H1 2020

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## Abstracts

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### SUMMARY

Cyclin Dependent Kinase 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 or EC 2.7.11.22) pipeline Target constitutes close to 31 molecules. Out of which approximately 30 molecules are developed by companies and remaining by the universities/institutes. The latest report Cyclin Dependent Kinase 6 – Pipeline Review, H1 2020, outlays comprehensive information on the Cyclin Dependent Kinase 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 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.

Cyclin Dependent Kinase 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 or EC 2.7.11.22) – Cell division protein kinase 6 (CDK6) is an enzyme encoded by the CDK6 gene. It is involved in initiation and maintenance of cell cycle exit during cell differentiation, prevents cell proliferation and regulates negatively cell differentiation. It is required during thymocyte development. It promotes the production of newborn neurons, probably by modulating G1 length, changes in the actin cytoskeleton including loss of stress fibers, and enhanced motility during cell differentiation. It prevents myeloid differentiation by interfering with RUNX1 and reducing its transcription transactivation-activity. The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, IND/CTA Filed, Preclinical and Discovery stages are 1, 4, 2, 9, 2, 8 and 4 respectively.

Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Oncology, Infectious Disease,

Cardiovascular, Metabolic Disorders and Toxicology which include indications Breast Cancer, Metastatic Breast Cancer, Mantle Cell Lymphoma, Non-Small Cell Lung Cancer, Solid Tumor, Triple-Negative Breast Cancer (TNBC), Colorectal Cancer, Metastatic Colorectal Cancer, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Endometrial Cancer, Fallopian Tube Cancer, Gastric Cancer, Glioblastoma Multiforme (GBM), Hepatocellular Carcinoma, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Peritoneal Cancer, Bladder Cancer, Colon Cancer, Dedifferentiated Liposarcoma, Epithelial Ovarian Cancer, Esophageal Cancer, Head And Neck Cancer, Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Leukemia, Liposarcoma, Lung Cancer, Lymphoma, Metastatic Melanoma, Neuroblastoma, Neuroendocrine Tumors, Oligodendroglioma, Ovarian Cancer, Pancreatic Cancer, Pancreatic Ductal Adenocarcinoma, Pediatric Diffuse Intrinsic Pontine Glioma, Prostate Cancer, Recurrent Glioblastoma Multiforme (GBM), Recurrent Head And Neck Cancer Squamous Cell Carcinoma, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Adenocarcinoma Of The Gastroesophageal Junction, AIDS - Related Cancer, Anaplastic Oligoastrocytoma, Astrocytoma, Bile Duct Cancer (Cholangiocarcinoma), Brain Cancer, Brain Tumor, Cervical Cancer, Chemotherapy Induced Myelosuppression, Chordoma, Chronic Lymphocytic Leukemia (CLL), Diffuse Large B-Cell Lymphoma, Ductal Carcinoma In Situ, Duodenal Cancer, Ependymoma, Epstein–Barr Virus (HHV-4) Infections, Esophageal Squamous Cell Carcinoma (ESCC), Ewing Sarcoma, Follicular Lymphoma, High-Grade Glioma, Hormone Sensitive Breast Cancer, Human Immunodeficiency Virus (HIV) Infections (AIDS), Hypopharyngeal Cancer, Kidney Cancer (Renal Cell Cancer), Laryngeal Cancer, Malignant Mesothelioma, Marginal Zone B-cell Lymphoma, Medulloblastoma, Melanoma, Meningioma, Metastatic Adenocarcinoma of The Pancreas, Metastatic Biliary Tract Cancer, Metastatic Brain Tumor, Metastatic Hepatocellular Carcinoma (HCC), Metastatic Ovarian Cancer, Metastatic Pancreatic Cancer, Metastatic Renal Cell Carcinoma, Multiple Myeloma (Kahler Disease), Nonmelanomatous Skin Cancer, Oral Cavity (Mouth) Cancer, Oropharyngeal Cancer, Primary CNS Lymphoma, Pulmonary Arterial Hypertension, Refractory Acute Myeloid Leukemia, Refractory Chronic Lymphocytic Leukemia (CLL), Refractory Multiple Myeloma, Relapsed Acute Myeloid Leukemia, Relapsed Chronic Lymphocytic Leukemia (CLL), Relapsed Multiple Myeloma, Rhabdomyosarcoma, Small-Cell Lung Cancer, Squamous Non-Small Cell Lung Cancer, Thymic Carcinoma, Thymoma (Thymic Epithelial Tumor), Transitional Cell Cancer (Urothelial Cell Cancer), Type 2 Diabetes and Well Differentiated Liposarcoma.

**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 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 or EC 2.7.11.22)

The report reviews Cyclin Dependent Kinase 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 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 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 or EC 2.7.11.22) targeted therapeutics and enlists all their major and minor projects

The report assesses Cyclin Dependent Kinase 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 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 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 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 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 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 6 (Cell Division Protein Kinase 6 or Serine/Threonine Protein Kinase PLSTIRE or CDK6 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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### COMPANIES MENTIONED

Beta Pharma Inc  
Betta Pharmaceuticals Co Ltd  
CStone Pharmaceuticals Co Ltd  
Eli Lilly and Co  
ESSA Pharma Inc  
Fochon Pharmaceutical Ltd  
G1 Therapeutics Inc  
Guangzhou BeBetter Medicine Technology Co Ltd  
HEC Pharm Co Ltd  
Jiangsu Hansoh Pharmaceutical Group Co Ltd  
Jiangsu Hengrui Medicine Co Ltd  
MEI Pharma Inc  
Novartis AG  
Onconova Therapeutics Inc  
Pfizer Inc  
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Shanghai Haishi Biopharmaceutical Co Ltd  
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