

Aurora Kinase B - Pipeline Review, H2 2019

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Abstracts

Aurora Kinase B - Pipeline Review, H2 2019

SUMMARY

Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) pipeline Target constitutes close to 15 molecules. Out of which approximately 12 molecules are developed by companies and remaining by the universities/institutes. The latest report Aurora Kinase B - Pipeline Review, H2 2019, outlays comprehensive information on the Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) - Aurora B kinase is a protein that functions in the attachment of the mitotic spindle to the centromere. It is involved in the bipolar attachment of spindle microtubules to kinetochores and is a key regulator for the onset of cytokinesis during mitosis. It is required for central spindle assembly and cleavage furrow formation.

It plays an important role in cytokinesis checkpoint. Phosphorylation of INCENP leads to increased AURKB activity. Other AURKB substrates involved in centromeric functions and mitosis are CENPA, DES/desmin, GPAF, KIF2C, NSUN2, RACGAP1, SEPT1, VIM/vimentin, GSG2/Haspin, and histone H3. The molecules developed by companies

in Phase II, Phase I, Preclinical and Discovery stages are 5, 3, 3 and 1 respectively. Similarly, the universities portfolio in IND/CTA Filed and Preclinical stages comprises 1 and 2 molecules, respectively. Report covers products from therapy areas Oncology which include indications Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Gastric Cancer, Non-Small Cell Lung Cancer, Ovarian Cancer, Solid Tumor, Hepatocellular Carcinoma, Myelodysplastic Syndrome, Pancreatic Cancer, Renal Cell Carcinoma, Small-Cell Lung Cancer, Triple-Negative Breast Cancer (TNBC), Bile Duct Cancer (Cholangiocarcinoma), Bladder Cancer, Breast Cancer, Chronic Myelocytic Leukemia (CML, Chronic Myeloid Leukemia), Colon Cancer, Colorectal Cancer, Epithelial Ovarian Cancer, Esophageal Cancer, Fallopian Tube Cancer, Gastrointestinal Stromal Tumor (GIST), Glioblastoma Multiforme (GBM), Kidney Cancer (Renal Cell Cancer), Liver Cancer, Lung Cancer, Non-Hodgkin Lymphoma, Peripheral T-Cell Lymphomas (PTCL), Peritoneal Cancer, Prostate Cancer, Refractory Acute Myeloid Leukemia and Relapsed Acute Myeloid Leukemia.

Furthermore, this report also reviews key players involved in Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) targeted therapeutics development with respective active and dormant or discontinued projects. Driven by 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 Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1)

The report reviews Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) 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 Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) 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 Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) 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 Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1)

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 Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) 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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Advenchen Laboratories LLC

Amgen Inc

AstraZeneca Plc

Chipscreen Biosciences Ltd

Cielo Therapeutics Inc

Merck & Co Inc

Nanjing Tianyi Bioscience Co Ltd

Nanjing Transthera Biosciences Co Ltd

Nemucore Medical Innovations Inc

Synactix Pharmaceuticals Inc

Vichem Chemie Research Ltd

Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) - Drug Profiles

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Mechanism Of Action

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Product Description

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Mechanism Of Action

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Aurora Kinase B (Aurora 1 or Aurora And IPL1 Like Midbody Associated Protein 1 or Serine/Threonine Protein Kinase 12 or Serine/Threonine Protein Kinase 5 or Serine/Threonine Protein Kinase Aurora B or STK1 or AURKB or EC 2.7.11.1) - Dormant Products

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Featured News & Press Releases

Nov 07, 2019: TransThera Biosciences lead product TT-00420 granted Orphan Drug Designation from FDA to treat Cholangiocarcinoma

Sep 28, 2018: TransThera Biosciences Granted IND Approval from FDA to Soon Start Clinical Trials Targeting TNBC

Dec 21, 2017: Sundia Congratulates NHRI for DBPR114 IND Approval in US & Taiwan

May 10, 2016: Data Published in Journal of Controlled Release Demonstrate Flexibility of ACCURINS to Encapsulate a Broad Range of Physically and Chemically Diverse Payloads with High Encapsulation Efficiency and Tunable Release Kinetics

Feb 10, 2016: AZD2811 ACCURINS Data Published in Science Translational Medicine Highlight One of the First Applications of Nanomedicine to Molecularly Targeted Cancer Therapies

Nov 18, 2015: BIND Therapeutics Announces Initiation of Clinical Studies with Accurin AZD2811 in Solid Tumors

Jun 23, 2015: BIND Therapeutics Announces FDA Authorization of First-in-Human Clinical Trial with AstraZeneca's Aurora B Kinase Inhibitor Accurin AZD2811

Apr 22, 2015: BIND Therapeutics Presents Data Highlighting Ability of Accurin drug candidate AZD2811 to Accumulate in Target Tissue at AACR Annual Meeting 2015

Mar 18, 2015: Data from Abstracts Validating Potential of BIND Therapeutics AZD2811 to be Presented at American Association for Cancer Research Annual Meeting

Mar 05, 2014: BIND Therapeutics to Present Data on Barasertib at the AACR 2014 Annual Meeting

Sep 03, 2012: Chipscreen filed a new IND application on a novel dual-pathway targeted inhibitor Chiauranib to SFDA

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COMPANIES MENTIONED

AbbVie Inc

Advenchen Laboratories LLC

Amgen Inc

AstraZeneca Plc

Chipscreen Biosciences Ltd

Cielo Therapeutics Inc

Merck & Co Inc

Nanjing Tianyi Bioscience Co Ltd

Nanjing Transthera Biosciences Co Ltd

Nemucore Medical Innovations Inc

Synactix Pharmaceuticals Inc

Vichem Chemie Research Ltd

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