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Glycogen Synthase Kinase 3 Beta - Pipeline Review, H1 2020

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Abstracts

Glycogen Synthase Kinase 3 Beta - Pipeline Review, H1 2020

SUMMARY

Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 or EC 2.7.11.1) – Glycogen synthase kinase 3 beta also known as GSK3B is an enzyme encoded by the GSK3B. It constitutively activate protein kinase that acts as a negative regulator in the hormonal control of glucose homeostasis, Wnt signaling and regulation of transcription factors and microtubules. It mediates the development of insulin resistance by regulating activation of transcription factors. It regulates protein synthesis by controlling the activity of initiation factor 2B (EIF2BE/EIF2B5) in the same manner as glycogen synthase. It plays an important role in ERBB2-dependent stabilization of microtubules at the cell cortex. It phosphorylates MACF1, inhibiting its binding to microtubules which is critical for its role in bulge stem cell migration and skin wound repair. It regulates the circadian clock via phosphorylation of the major clock components including ARNTL/BMAL1, CLOCK and PER2.

Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 or EC 2.7.11.1) pipeline Target constitutes close to 18 molecules. Out of which approximately 13 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase II, Preclinical and Discovery stages are 2, 8 and 3 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 3 and 2 molecules, respectively.

Report covers products from therapy areas Central Nervous System, Oncology, Musculoskeletal Disorders, Ophthalmology and Undisclosed which include indications

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Alzheimer's Disease, Pancreatic Cancer, Lung Cancer, Amyotrophic Lateral Sclerosis, Bladder Cancer, Bone Fracture, Breast Cancer, Cognitive Impairment, Glioblastoma Multiforme (GBM), Kidney Cancer (Renal Cell Cancer), Liver Cancer, Lymphoma, Metastatic Lung Cancer, Multiple Sclerosis, Myotonic Dystrophy, Neuroblastoma, Ovarian Cancer, Pervasive Developmental Disorder (PDD), Post-Essential Thrombocythemia Myelofibrosis (Post-ET MF), Post-Polycythemia Vera Myelofibrosis (PPV-MF), Primary Myelofibrosis, Retinitis Pigmentosa (Retinitis), Sarcomas, Tauopathies and Unspecified.

The latest report Glycogen Synthase Kinase 3 Beta – Pipeline Review, H1 2020, outlays comprehensive information on the Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 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. It also reviews key players involved in Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 or EC 2.7.11.1) 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 Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 or EC 2.7.11.1)

The report reviews Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 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

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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 Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 or EC 2.7.11.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 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 Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 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 Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 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

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Plan mergers and acquisitions effectively by identifying key players and it's most promising pipeline therapeutics

Devise corrective measures for pipeline projects by understanding Glycogen Synthase Kinase 3 Beta (Serine/Threonine Protein Kinase GSK3B or GSK3B or EC 2.7.11.26 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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Jun 13, 2019: Updates on development of AMO Pharma's AMO-02 presented at International Myotonic Dystrophy Consortium Meeting
May 06, 2019: AMO Pharma presents statistical analysis of results of phase 2 study of AMO-02 in adolescents with autism spectrum disorder
Dec 17, 2018: Actuate Therapeutics opens phase 1/2 clinical study of 9-ING-41 in patients with refractory cancers
Oct 30, 2018: AMO Pharma reports positive results from AMO-02 trial
Oct 23, 2018: AMO Therapeutics announces presentation of concordant analysis of results of phase 2 study of AMO-02 in treatment of myotonic dystrophy
Mar 15, 2018: AMO Pharma Announces Results of Phase 2 Proof-of-Concept Study of AMO-02 in Congenital and Childhood Onset Myotonic Dystrophy Type 1
Feb 15, 2018: Actuate Therapeutics Announces FDA Acceptance Of IND Application For 9-ING-41 And Clearance To Proceed With Clinical Study In Patients With Advanced Cancers
Oct 26, 2017: Actuate Therapeutics Receives Rare Pediatric Disease Designation for 9-ING-41 for Treatment of Neuroblastoma

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Oct 18, 2017: AMO Pharma Presents Positive Interim Analysis of Data from Congenital Myotonic Dystrophy Study at American Neurological Association Annual Meeting
Sep 25, 2017: AMO Pharma Reports Update on Positive Interim Analysis for the First Cohort of Phase IIa Congenital Myotonic Dystrophy Study
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Angelini Group
Ankar Pharma SL
Avenzoar Pharmaceuticals Inc
CerebraMed
Collaborative Medicinal Development LLC
InnoBioscience LLC
Novosteo Inc
Park Active Molecules
Zovis Pharmaceuticals

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