

Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) - Pipeline Review, H2 2018

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Abstracts

Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) - Pipeline Review, H2 2018

SUMMARY

Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) - Proprotein convertase subtilisin/kexin type 9 (PCSK9) is an enzyme encoded by the PCSK9 gene. It is a crucial player in the regulation of plasma cholesterol homeostasis. It binds to low-density lipoprotein receptor family members.

It acts via a non-proteolytic mechanism to enhance the degradation of the hepatic LDLR through a clathrin LDLRAP1/ARH-mediated pathway. It prevents the recycling of LDLR from endosomes to the cell surface or directs it to lysosomes for degradation. It induces ubiquitination of LDLR leading to its subsequent degradation. It inhibits intracellular degradation of APOB via the autophagosome/lysosome pathway in a LDLR-independent manner.

Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) pipeline Target constitutes close to 29 molecules. Out of which

approximately 26 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II, Phase I, IND/CTA Filed, Preclinical, Discovery and Unknown stages are 2, 1, 7, 1, 11, 3 and 1 respectively.

Similarly, the universities portfolio in Preclinical and Discovery stages comprises 2 and 1 molecules, respectively. Report covers products from therapy areas Metabolic Disorders, Cardiovascular, Gastrointestinal, Infectious Disease and Oncology which include indications Hypercholesterolemia, Hyperlipidemia, Atherosclerosis, Heterozygous familial hypercholesterolemia (heFH), Homozygous Familial Hypercholesterolemia (HoFH), Acute Ischemic Stroke, Cardiovascular Disease, Diabetes, Liver Diseases, Metabolic Syndrome, Non Alcoholic Fatty Liver Disease (NAFLD), Non-Alcoholic Steatohepatitis (NASH), Peripheral Arterial Disease (PAD)/Peripheral Vascular Disease (PVD), Sepsis, Septic Shock and Type 2 Diabetes.

The latest report Proprotein Convertase Subtilisin/Kexin Type 9 - Pipeline Review, H2 2018, outlays comprehensive information on the Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) 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 Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) 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 Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9

or PCSK9 or EC 3.4.21.)

The report reviews Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) 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 Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) targeted therapeutics and enlists all their major and minor projects

The report assesses Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) 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 Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) 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 Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.)

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 Proprotein Convertase Subtilisin/Kexin Type 9 (Proprotein Convertase 9 or Neural Apoptosis Regulated Convertase 1 or Subtilisin/Kexin Like Protease PC9 or PCSK9 or EC 3.4.21.) 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

AFFiRiS AG

Betagenon AB

Biocad

Bioleaders Corp

BioLingus AG

Dicerna Pharmaceuticals Inc

Innovent Biologics Inc

Kowa Co Ltd

Nyrada Inc

Pfizer Inc

Portola Pharmaceuticals Inc

Precision Biosciences Inc

Regeneron Pharmaceuticals Inc

Shanghai Fudan-Zhangjiang Bio-Pharmaceutical Co Ltd

The Medicines Company

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