NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) - Pipeline Review, H1 2018
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Summary

NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) - NADPH oxidase 4 is an enzyme belonging to NOX family of NADPH oxidases. NADPH Oxidase 4 is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species. So formed ROS have been implicated in numerous biological functions including signal transduction, cell differentiation and tumor cell growth.

NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) pipeline Target constitutes close to 6 molecules. The molecules developed by companies in Phase II, Phase I and Preclinical stages are 1, 1 and 4 respectively.

Report covers products from therapy areas Cardiovascular, Metabolic Disorders, Oncology, Respiratory, Gastrointestinal, Immunology, Toxicology and Undisclosed which include indications Idiopathic Pulmonary Fibrosis, Acute Ischemic Stroke, Atherosclerosis, Chlorine Poisoning, Diabetic Complications, Diabetic Nephropathy, Ischemia Reperfusion Injury, Liver Fibrosis, Lung Cancer, Mustard Gas (Sulfur Mustard) Poisoning, Nerve Gas Poisoning, Non-Alcoholic Steatohepatitis (NASH), Primary Biliary Cirrhosis, Prostate Cancer, Pulmonary Radiation Toxicity, Systemic Sclerosis (Scleroderma), Type 2 Diabetes and Unspecified.

The latest report NADPH Oxidase 4 - Pipeline Review, H1 2018, outlays comprehensive information on the NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) 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 NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) 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 NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.)

- The report reviews NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) 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 NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) targeted therapeutics and enlists all their major and minor projects.

- The report assesses NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) 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 NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) 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 NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) targeted therapeutics.

- 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 NADPH Oxidase 4 (Kidney Oxidase 1 or KOX1 or Kidney Superoxide Producing NADPH Oxidase or Renal NAD(P)H Oxidase or NOX4 or EC 1.6.3.) 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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- Aug 03, 2017: Genkyotex's GKT831 Shown to Delay Tumor Growth in Multiple Preclinical Models by Targeting Cancer Associated Fibroblasts
- Jun 27, 2017: Genkyotex Initiates Patient Enrollment into Phase 2 Trial of GKT831 in Primary Biliary Cholangitis
- Jun 08, 2017: Aeolus Announces FDA Fast Track Designation Granted to AEOL 10150 for Treatment of Patients with Lung Acute Radiation Syndrome Following a Radiological or Nuclear Event
- May 02, 2017: Genkyotex Announces FDA Approval of IND for Phase 2 Trial of GKT831 in Patients with Primary Biliary Cholangitis
- Mar 23, 2017: Aeolus Receives BARDA Decision Regarding Additional Options for Lung ARS Development Contract; Files Response to Assertions Made by BARDA in the Notification
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