

# NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Pipeline Review, H1 2018

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## Abstracts

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### SUMMARY

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - NAD-dependent deacetylase sirtuin-1 is a protein encoded by the SIRT1 gene. It modulates chromatin function through deacetylation of histones and can promote alterations in the methylation of histones and DNA, leading to transcriptional repression. It is essential in skeletal muscle cell differentiation and in response to low nutrients mediates the inhibitory effect on skeletal myoblast differentiation which also involves 5'-AMP-activated protein kinase (AMPK) and nicotinamide phosphoribosyltransferase (NAMPT).

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) pipeline Target constitutes close to 10 molecules. Out of which approximately 6 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase II, Phase I and Preclinical stages are 2, 2 and 2 respectively.

Similarly, the universities portfolio in Preclinical and Discovery stages comprises 3 and 1 molecules, respectively. Report covers products from therapy areas Oncology, Gastrointestinal, Metabolic Disorders, Cardiovascular, Central Nervous System,

Infectious Disease and Respiratory which include indications Non Alcoholic Fatty Liver Disease (NAFLD), Non-Alcoholic Steatohepatitis (NASH), Obesity, Type 2 Diabetes, Atherosclerosis, Bacterial Pneumonia, Chronic Myelocytic Leukemia (CML, Chronic Myeloid Leukemia), Chronic Obstructive Pulmonary Disease (COPD), Emphysema, Ewing Sarcoma, Parkinson's Disease, Peritonitis and Solid Tumor.

The latest report NAD Dependent Protein Deacetylase Sirtuin 1 - Pipeline Review, H1 2018, outlays comprehensive information on the NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) 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 NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) 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 NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.)

The report reviews NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) 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 NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) targeted therapeutics and enlists all their major and minor projects

The report assesses NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) 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 NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) 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 NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.)

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 NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) 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

## Contents

Introduction

Global Markets Direct Report Coverage

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Overview

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Therapeutics Development Products under Development by Stage of Development

Products under Development by Therapy Area

Products under Development by Indication

Products under Development by Companies

Products under Development by Universities/Institutes

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Therapeutics Assessment

Assessment by Mechanism of Action

Assessment by Route of Administration

Assessment by Molecule Type

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Companies Involved in Therapeutics Development

Bial - Portela & Ca SA

GlaxoSmithKline Plc

Jyant Technologies Inc

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Drug Profiles

(leucine + metformin hydrochloride + sildenafil citrate) - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

(leucine + metformin hydrochloride) - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

(leucine + sildenafil citrate) - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

BIA-6512 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Drugs to Inhibit Sirtuin 1 for Ewing Sarcoma - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

resveratrol - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

resveratrol - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecules to Inhibit SIRT1 for Chronic Myelogenous Leukemia - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

SRT-3025 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

toxoflavin - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Dormant Products

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Discontinued Products

NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Product Development Milestones

Featured News & Press Releases

Jun 10, 2016: NuSirt Biopharma Presenting New Research at American Diabetes Association's 76th Annual Scientific Sessions

Jun 10, 2016: NuSirt Biopharma Presents Data on NS-0200 at American Diabetes Association's 76th Annual Scientific Sessions

May 18, 2016: NuSirt Biopharma to Present at American Diabetes Association's 76th Scientific Sessions

Jan 26, 2016: Clinical Trial Results Show Synergy between NuSirt Technology and Metformin in Patients with Type 2 Diabetes

Dec 10, 2015: NuSirt Biopharma Receives FDA Fast Track Designation for Non-Alcoholic Fatty Liver Disease Treatment

Oct 08, 2015: NuSirt Biopharma Plans Clinical Trial in Non-Alcoholic Fatty Liver Disease

Jun 25, 2015: New Study: NuSirt Technology Demonstrates Potential as New Type 2 Diabetes Therapy

Jun 06, 2015: NuSirt Biopharma Presenting New Data On Leucine-Metformin Combination at American Diabetes Association 75th Scientific Sessions

Appendix

Methodology

Coverage

Secondary Research

Primary Research

Expert Panel Validation

Contact Us

Disclaimer

## List Of Tables

### LIST OF TABLES

Number of Products under Development by Stage of Development, H1 2018

Number of Products under Development by Therapy Areas, H1 2018

Number of Products under Development by Indication, H1 2018

Number of Products under Development by Companies, H1 2018

Products under Development by Companies, H1 2018

Number of Products under Investigation by Universities/Institutes, H1 2018

Products under Investigation by Universities/Institutes, H1 2018

Number of Products by Stage and Mechanism of Actions, H1 2018

Number of Products by Stage and Route of Administration, H1 2018

Number of Products by Stage and Molecule Type, H1 2018

Pipeline by Bial - Portela & Ca SA, H1 2018

Pipeline by GlaxoSmithKline Plc, H1 2018

Pipeline by Jyant Technologies Inc, H1 2018

Dormant Products, H1 2018

Dormant Products, H1 2018 (Contd.1), H1 2018

Discontinued Products, H1 2018



## List Of Figures

### LIST OF FIGURES

Number of Products under Development by Stage of Development, H1 2018

Number of Products under Development by Therapy Areas, H1 2018

Number of Products under Development by Top 10 Indications, H1 2018

Number of Products by Mechanism of Actions, H1 2018

Number of Products by Stage and Mechanism of Actions, H1 2018

Number of Products by Routes of Administration, H1 2018

Number of Products by Stage and Routes of Administration, H1 2018

Number of Products by Stage and Molecule Type, H1 2018

### COMPANIES MENTIONED

Bial - Portela & Ca SA

GlaxoSmithKline Plc

Jyant Technologies Inc

## I would like to order

Product name: NAD Dependent Protein Deacetylase Sirtuin 1 (SIR2 Like Protein 1 or Sirtuin Type 1 or Regulatory Protein SIR2 Homolog 1 or SIRT1 or EC 3.5.1.) - Pipeline Review, H1 2018

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