

Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) - Pipeline Review, H1 2018

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Abstracts

Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) - Pipeline Review, H1 2018

SUMMARY

Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) - Histone deacetylase 1 is an enzyme encoded by the HDAC1 gene. The protein encoded by this gene belongs to the histone deacetylase family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2 MTA2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. It plays an important role in transcriptional regulation, cell cycle progression and developmental events.

Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) pipeline Target constitutes close to 29 molecules. Out of which approximately 24 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II, Preclinical and Discovery stages are 4, 6, 12 and 2 respectively.

Similarly, the universities portfolio in Preclinical and Discovery stages comprises 4 and 1 molecules, respectively. Report covers products from therapy areas Oncology, Central Nervous System, Genetic Disorders, Hematological Disorders, Dermatology, Gastrointestinal, Immunology, Infectious Disease and Musculoskeletal Disorders which include indications Breast Cancer, Follicular Lymphoma, Non-Small Cell Lung Cancer, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Diffuse Large B-Cell Lymphoma, Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Lung Cancer, Melanoma, Myelodysplastic Syndrome, Neuroblastoma, Relapsed Acute Myeloid

Leukemia, Thalassemia, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), B-Cell Non-Hodgkin Lymphoma, Bile Duct Cancer (Cholangiocarcinoma), Colon Cancer, Cutaneous T-Cell Lymphoma, Essential Thrombocythemia, Liver Cancer, Mantle Cell Lymphoma, Metastatic Renal Cell Carcinoma, Mycosis Fungoides, Neurodegenerative Diseases, Non-Hodgkin Lymphoma, Pancreatic Cancer, Post-Polycythemia Vera Myelofibrosis (PPV-MF), Prostate Cancer, Refractory Acute Myeloid Leukemia, Sickle Cell Disease, Solid Tumor, Acid Sphingomyelinase Deficiency (Niemann-Pick Disease) Type C, Adenoid Cystic Carcinoma (ACC), Alopecia, Alzheimer's Disease, Anaplastic Thyroid Cancer, Basal Cell Carcinoma (Basal Cell Epithelioma), Becker Muscular Dystrophy, Bladder Cancer, Bone Disorders, Burkitt Lymphoma, Charcot-Marie-Tooth Disease Type II, Chronic Lymphocytic Leukemia (CLL), CNS Lymphoma, Colorectal Cancer, Depression, Duchenne Muscular Dystrophy, Endometrial Cancer, Epithelial Ovarian Cancer, Fallopian Tube Cancer, Gallbladder Cancer, Glioblastoma Multiforme (GBM), Glioma, Gliosarcoma, Human Immunodeficiency Virus (HIV) Infections (AIDS), Leiomyosarcoma, Liver Fibrosis, Lung Adenocarcinoma, Lymphoma, Marginal Zone B-cell Lymphoma, Metastatic Adenocarcinoma of The Pancreas, Metastatic Breast Cancer, Metastatic Colorectal Cancer, Metastatic Melanoma, Metastatic Transitional (Urothelial) Tract Cancer, Metastatic Uveal Melanoma, Multiple Myeloma (Kahler Disease), Myelofibrosis, Neuroendocrine Cancer, NUT Midline Carcinoma (NMC or Nuclear Protein in Testis Midline Carcinoma), Papillary Thyroid Cancer, Peripheral T-Cell Lymphomas (PTCL), Peritoneal Cancer, Polycythemia Vera, Post-Essential Thrombocythemia Myelofibrosis (Post-ET MF), Psychiatric Disorders, Recurrent Glioblastoma Multiforme (GBM), Refractory Chronic Lymphocytic Leukemia (CLL), Refractory Multiple Myeloma, Relapsed Chronic Lymphocytic Leukemia (CLL), Relapsed Multiple Myeloma, Renal Cell Carcinoma, Sezary Syndrome, Skin Cancer, Small-Cell Lung Cancer, Soft Tissue Sarcoma, Systemic Lupus Erythematosus and Thyroid Cancer.

The latest report Histone Deacetylase 1 - Pipeline Review, H1 2018, outlays comprehensive information on the Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) 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 Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) 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 Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98)

The report reviews Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) 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 Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) targeted therapeutics and enlists all their major and minor projects

The report assesses Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) 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 Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) 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 Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98)

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 Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) 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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Chipscreen Biosciences Ltd

Curis Inc

HitGen LTD

IRBM Science Park SpA

Italfarmaco SpA

Medivir AB

MEI Pharma Inc

Merck & Co Inc

Mirati Therapeutics Inc

Syndax Pharmaceuticals Inc

Zhejiang Hisun Pharmaceutical Co Ltd

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Mechanism Of Action

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Product Description

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Featured News & Press Releases

Feb 07, 2018: University of Colorado: Treatment for Diastolic Dysfunction

Jan 31, 2018: Positive DSMB safety review of 4SC's pivotal RESMAIN study of

resminostat in CTCL

Jan 11, 2018: Helsinn Group and MEI Pharma Announce that Pracinostat has Received Orphan Drug Designation from the European Medicines Agency for the Treatment of acute myeloid leukemia (AML)

Jan 10, 2018: Syndax Pharmaceuticals Announces Clinical Collaboration to Evaluate Entinostat in Combination with anti-PD-L1 Cancer Immunotherapy in Breast Cancer

Dec 20, 2017: 4SC receives Pediatric Investigation Plan Waiver for resminostat in CTCL from the European Medicines Agency

Dec 13, 2017: 4SC receives milestone payment from Immunic

Dec 11, 2017: Italfarmaco Presents Positive Phase II Study Results for Givinostat in Polycythemia Vera Patients at the ASH Annual Meeting

Dec 05, 2017: Italfarmaco Announces Givinostat Clinical Trial Presentations at the 59th American Society of Hematology (ASH) Annual Meeting

Dec 01, 2017: Curis Announces Upcoming Presentation at the American Society of Hematology 59th Annual Meeting & Exposition

Nov 11, 2017: Syndax Announces Presentation of ENCORE 601 Data at Society for Immunotherapy of Cancer 32nd Annual Scientific Meeting

Nov 07, 2017: Syndax to Present Data On Entinostat at SITC 32nd Annual Scientific Meeting

Oct 13, 2017: Remetinostat Phase II Data Demonstrate Efficacy on Skin Lesions, Reduction of Itching and High Tolerability in Patients With Early-stage MF-type CTCL

Oct 12, 2017: Mirati Therapeutics' Mocetinostat Included In Stand Up To Cancer's Cutting-Edge Clinical Trial Initiative For NSCLC Patients

Oct 10, 2017: Resminostat demonstrates potential to significantly alleviate itching in CTCL patients

Oct 05, 2017: Syndax Announces Dosing of First Patient in Pivotal Trial of Entinostat for the Treatment of Advanced or Recurrent Breast Cancer in Japan by Partner Kyowa Hakko Kirin

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4SC AG

AlfaSigma SpA

Celgene Corp

Chipscreen Biosciences Ltd

Curis Inc

HitGen LTD

IRBM Science Park SpA

Italfarmaco SpA

Medivir AB

MEI Pharma Inc

Merck & Co Inc

Mirati Therapeutics Inc

Syndax Pharmaceuticals Inc

Zhejiang Hisun Pharmaceutical Co Ltd

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