

# Histone Deacetylase 1 - Pipeline Review, H2 2020

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## Abstracts

Histone Deacetylase 1 - Pipeline Review, H2 2020

### SUMMARY

Histone Deacetylase 1 (HDAC1 or EC 3.5.1.98) pipeline Target constitutes close to 38 molecules. Out of which approximately 30 molecules are developed by companies and remaining by the universities/institutes. The latest report Histone Deacetylase 1 - Pipeline Review, H2 2020, 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.

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.

The molecules developed by companies in Pre-Registration, Phase III, Phase II, Preclinical and Discovery stages are 1, 2, 7, 17 and 3 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 7 and 1 molecules, respectively. Report covers products from therapy areas Oncology, Central Nervous System, Genetic Disorders, Hematological Disorders, Cardiovascular, Gastrointestinal, Immunology, Infectious Disease and Musculoskeletal Disorders which include indications Breast Cancer, Non-Small Cell Lung Cancer, Melanoma, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Diffuse Large B-Cell Lymphoma, Follicular Lymphoma, Colorectal Cancer, Hodgkin Lymphoma (B-Cell Hodgkin

Lymphoma), Mycosis Fungoides, Refractory Multiple Myeloma, Relapsed Multiple Myeloma, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), B-Cell Non-Hodgkin Lymphoma, Burkitt Lymphoma, Cutaneous T-Cell Lymphoma, Essential Thrombocythemia, Glioblastoma Multiforme (GBM), Liver Cancer, Lung Cancer, Mantle Cell Lymphoma, Marginal Zone B-cell Lymphoma, Myelodysplastic Syndrome, Pancreatic Cancer, Peripheral T-Cell Lymphomas (PTCL), Post-Polycythemia Vera Myelofibrosis (PPV-MF), Small-Cell Lung Cancer, Triple-Negative Breast Cancer (TNBC), Adenocarcinoma Of The Gastroesophageal Junction, Adenoid Cystic Carcinoma (ACC), Alzheimer's Disease, Anal Cancer, Anaplastic Large Cell Lymphoma (ALCL), Angioimmunoblastic T-Cell Lymphoma (AITL)/Immunoblastic Lymphadenopathy, B-Cell Acute Lymphocytic Leukemia (B-Cell Acute Lymphoblastic Leukaemia), Basal Cell Carcinoma (Basal Cell Epithelioma), Becker Muscular Dystrophy, Blood Cancer, Bone Disorders, Cervical Cancer, Charcot-Marie-Tooth Disease Type II, Chronic Lymphocytic Leukemia (CLL), CNS Lymphoma, Cognitive Disorders, Colon Cancer, Duchenne Muscular Dystrophy, Gallbladder Cancer, Gastrointestinal Tract Cancer, Gliosarcoma, Head And Neck Cancer Squamous Cell Carcinoma, Hemoglobinopathies, High-Grade Glioma, Human Immunodeficiency Virus (HIV) Infections (AIDS), Ischemia Reperfusion Injury, Liver Fibrosis, Lung Adenocarcinoma, Lymphoma, Merkel Cell Carcinoma, Metastatic Breast Cancer, Metastatic Melanoma, Multiple Myeloma (Kahler Disease), Multiple Sclerosis, Myelofibrosis, Natural Killer Cell Lymphomas, Neuroblastoma, Non-Hodgkin Lymphoma, NUT Midline Carcinoma (NMC or Nuclear Protein in Testis Midline Carcinoma), Ovarian Cancer, Parkinson's Disease, Pediatric Diffuse Intrinsic Pontine Glioma, Penile Cancer, Polycythemia Vera, Post-Essential Thrombocythemia Myelofibrosis (Post-ET MF), Prostate Cancer, Rectal Cancer, Recurrent Medulloblastoma, Refractory Acute Myeloid Leukemia, Refractory Chronic Lymphocytic Leukemia (CLL), Relapsed Acute Myeloid Leukemia, Relapsed Chronic Lymphocytic Leukemia (CLL), Renal Cell Carcinoma, Rhabdomyosarcoma, Sezary Syndrome, Sickle Cell Disease, Skin Cancer, Solid Tumor, Squamous Cell Carcinoma, Systemic Lupus Erythematosus, T-Cell Acute Lymphocytic Leukemia (T-Cell Acute Lymphoblastic Leukaemia), T-Cell Lymphomas, Thalassemia, Unspecified B-Cell Lymphomas and Vulvar Cancer.

Furthermore, this report 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. Driven by 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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