

# Histone Deacetylase 3 - Pipeline Review, H2 2020

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## **Abstracts**

Histone Deacetylase 3 - Pipeline Review, H2 2020

#### SUMMARY

Histone Deacetylase 3 (SMAP45 or RPD3 2 or HDAC3 or EC 3.5.1.98) pipeline Target constitutes close to 19 molecules. Out of which approximately 16 molecules are developed by companies and remaining by the universities/institutes. The latest report Histone Deacetylase 3 - Pipeline Review, H2 2020, outlays comprehensive information on the Histone Deacetylase 3 (SMAP45 or RPD3 2 or HDAC3 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 3 (SMAP45 or RPD3 2 or HDAC3 or EC 3.5.1.98) - Histone deacetylase 3 is an enzyme encoded by the HDAC3 gene. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. It participates in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. The molecules developed by companies in Pre-Registration, Phase III, Phase II and Preclinical stages are 1, 1, 4 and 10 respectively. Similarly, the universities portfolio in Preclinical stages comprises 3 molecules, respectively. Report covers products from therapy areas Oncology, Central Nervous System, Gastrointestinal, Infectious Disease and Musculoskeletal Disorders which include indications Breast Cancer, Melanoma, Non-Small Cell Lung Cancer, Diffuse Large B-Cell Lymphoma, Follicular Lymphoma, B-Cell Non-Hodgkin Lymphoma, Burkitt Lymphoma, Colorectal Cancer, Glioblastoma Multiforme (GBM), Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Mantle Cell Lymphoma, Marginal Zone B-cell Lymphoma, Mycosis Fungoides, Non-Hodgkin Lymphoma, Peripheral T-Cell Lymphomas (PTCL), Refractory Multiple Myeloma,



Relapsed Multiple Myeloma, Triple-Negative Breast Cancer (TNBC), Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Adenocarcinoma Of The Gastroesophageal Junction, Adenoid Cystic Carcinoma (ACC), Anal Cancer, Anaplastic Large Cell Lymphoma (ALCL), Angioimmunoblastic T-Cell Lymphoma (AITL)/Immunoblastic Lymphadenopathy, Basal Cell Carcinoma (Basal Cell Epithelioma), Bone Disorders, Cervical Cancer, CNS Lymphoma, Colon Cancer, Cutaneous T-Cell Lymphoma, Drug Addiction, Gliosarcoma, Head And Neck Cancer Squamous Cell Carcinoma, High-Grade Glioma, Human Immunodeficiency Virus (HIV) Infections (AIDS), Liver Cancer, Liver Fibrosis, Lung Adenocarcinoma, Lymphoma, Merkel Cell Carcinoma, Metastatic Breast Cancer, Metastatic Melanoma, Multiple Myeloma (Kahler Disease), Myelodysplastic Syndrome, Natural Killer Cell Lymphomas, Neuroblastoma, NUT Midline Carcinoma (NMC or Nuclear Protein in Testis Midline Carcinoma), Ovarian Cancer, Parkinson's Disease, Pediatric Diffuse Intrinsic Pontine Glioma, Penile Cancer, Post-Traumatic Stress Disorder (PTSD), 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, Small-Cell Lung Cancer, Squamous Cell Carcinoma and Vulvar Cancer. Furthermore, this report also reviews key players involved in Histone Deacetylase 3 (SMAP45 or RPD3 2 or HDAC3 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 3 (SMAP45 or RPD3 2 or HDAC3 or EC 3.5.1.98)

The report reviews Histone Deacetylase 3 (SMAP45 or RPD3 2 or HDAC3 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 3 (SMAP45 or RPD3 2 or HDAC3 or EC 3.5.1.98) targeted therapeutics and enlists all their major and minor projects

The report assesses Histone Deacetylase 3 (SMAP45 or RPD3 2 or HDAC3 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 3 (SMAP45 or RPD3 2 or HDAC3 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 3 (SMAP45 or RPD3 2 or HDAC3 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 3 (SMAP45 or RPD3 2 or HDAC3 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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