

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) Drugs in Development by Therapy Areas and Indications, Stages, MoA, RoA, Molecule Type and Key Players, 2022 Update

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Abstracts

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) Drugs in Development by Therapy Areas and Indications, Stages, MoA, RoA, Molecule Type and Key Players, 2022 Update

SUMMARY

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) pipeline Target constitutes close to 32 molecules. Out of which approximately 28 molecules are developed by companies and remaining by the universities/institutes. The latest report Histone Deacetylase 2 - Drugs In Development, 2022, outlays comprehensive information on the Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 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 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Histone deacetylase 2 is an enzyme encoded by the HDAC2 gene. It plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. It forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. It interacts in the late S-phase of DNA-

replication with DNMT1 in the other transcriptional repressor complex composed of DNMT1, DMAP1, PCNA, and CAF1. It deacetylates TSHZ3 and regulates its transcriptional repressor activity. The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, IND/CTA Filed, Preclinical and Discovery stages are 1, 1, 6, 2, 1, 13 and 4 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 3 and 1 molecules, respectively.

Report covers products from therapy areas Oncology, Central Nervous System, Genetic Disorders, Hematological Disorders, Gastrointestinal, Immunology, Infectious Disease and Musculoskeletal Disorders which include indications Melanoma, Breast Cancer, Diffuse Large B-Cell Lymphoma, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Alzheimer's Disease, Mycosis Fungoides, Non-Small Cell Lung Cancer, Triple-Negative Breast Cancer (TNBC), B-Cell Non-Hodgkin Lymphoma, Burkitt Lymphoma, Colorectal Cancer, Cutaneous T-Cell Lymphoma, Essential Thrombocythemia, Follicular Lymphoma, Glioblastoma Multiforme (GBM), Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Huntington Disease, Lewy Body Dementia, Parkinson's Disease, Post-Polycythemia Vera Myelofibrosis (PPV-MF), Adenoid Cystic Carcinoma (ACC), Anal Cancer, Anaplastic Astrocytoma, Anaplastic Large Cell Lymphoma (ALCL), Angioimmunoblastic T-Cell Lymphoma (AITL)/Immunoblastic Lymphadenopathy, Basal Cell Carcinoma (Basal Cell Epithelioma), Becker Muscular Dystrophy, Beta Thalassaemia, Bladder Cancer, 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, Frontotemporal Dementia (FTD), Gallbladder Cancer, Gliosarcoma, Head And Neck Cancer Squamous Cell Carcinoma, Hematological Tumor, Hemoglobinopathies, High-Grade Glioma, Human Epidermal Growth Factor Receptor 2 Negative Breast Cancer (HER2%li% Breast Cancer), Human Immunodeficiency Virus (HIV) Infections (AIDS), Kidney Cancer (Renal Cell Cancer), Liver Cancer, Liver Fibrosis, Mantle Cell Lymphoma, Marginal Zone B-cell Lymphoma, Metastatic Melanoma, Multiple Sclerosis, Myelodysplastic Syndrome, Myelofibrosis, Natural Killer Cell Lymphomas, Neuroblastoma, Neurodegenerative Diseases, Neuroendocrine Carcinoma, Non-Hodgkin Lymphoma, NUT Midline Carcinoma (NMC or Nuclear Protein in Testis Midline Carcinoma), Ovarian Cancer, Pancreatic Cancer, Pediatric Diffuse Intrinsic Pontine Glioma, Penile Cancer, Peripheral T-Cell Lymphomas (PTCL), Polycythemia Vera, Post-Essential Thrombocythemia Myelofibrosis (Post-ET MF), Prostate Cancer, Rectal Cancer, Recurrent Medulloblastoma, Refractory Multiple Myeloma, Relapsed Multiple Myeloma, Renal Cell Carcinoma, Sezary Syndrome, Sickle Cell Disease, Small-Cell Lung Cancer, Solid Tumor, Squamous Cell Carcinoma,

Systemic Lupus Erythematosus, Transitional Cell Cancer (Urothelial Cell Cancer), Unspecified B-Cell Lymphomas, Unspecified Cancer, Unspecified Central Nervous System Disorders, Ureter Cancer, Urethral Cancer and Vulvar Cancer.

Furthermore, this report also reviews key players involved in Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 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.

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 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98)

The report reviews Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 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 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) targeted therapeutics and enlists all their major and minor projects

The report assesses Histone Deacetylase 2 (Transcriptional Regulator Homolog

RPD3 or YY1 Associated Factor 1 or HDAC2 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 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 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 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 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 its most promising pipeline therapeutics

Devise corrective measures for pipeline projects by understanding Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 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

Contents

Introduction

Global Markets Direct Report Coverage

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Overview

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - 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

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Therapeutics Assessment

Assessment by Mechanism of Action

Assessment by Route of Administration

Assessment by Molecule Type

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Companies Involved in Therapeutics Development

4D Pharma Plc

4SC AG

Alkermes Plc

Bristol-Myers Squibb Co

Curis Inc

GNT Biotech and Medicals Corp

Italfarmaco SpA

Jubilant Therapeutics Inc

Medibiofarma SL

Medivir AB

MEI Pharma Inc

Merck & Co Inc

Oceanyx Pharmaceuticals Inc

OnKure Inc

Regenacy Pharmaceuticals LLC

Shenzhen Chipscreen Biosciences Co Ltd

Shuttle Pharmaceuticals Inc

Zhejiang Hisun Pharmaceutical Co Ltd

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated

Factor 1 or HDAC2 or EC 3.5.1.98) - Drug Profiles

ACY-1035 - Drug Profile

Product Description

Mechanism Of Action

History of Events

ACY-1071 - Drug Profile

Product Description

Mechanism Of Action

History of Events

ACY-738 - Drug Profile

Product Description

Mechanism Of Action

History of Events

ACY-957 - Drug Profile

Product Description

Mechanism Of Action

History of Events

fimepinostat - Drug Profile

Product Description

Mechanism Of Action

History of Events

givinostat - Drug Profile

Product Description

Mechanism Of Action

History of Events

GNTbm-04 - Drug Profile

Product Description

Mechanism Of Action

History of Events

GNTbm-38 - Drug Profile

Product Description

Mechanism Of Action

History of Events

JB1-128 - Drug Profile

Product Description

Mechanism Of Action

History of Events

largazole - Drug Profile

Product Description

Mechanism Of Action
History of Events
MBF-015 - Drug Profile
Product Description
Mechanism Of Action
MRx-0029 - Drug Profile
Product Description
Mechanism Of Action
History of Events
MRX-1299 - Drug Profile
Product Description
Mechanism Of Action
History of Events
OKI-179 - Drug Profile
Product Description
Mechanism Of Action
History of Events
pracinostat - Drug Profile
Product Description
Mechanism Of Action
History of Events
RCY-1305 - Drug Profile
Product Description
Mechanism Of Action
History of Events
RCY-1410 - Drug Profile
Product Description
Mechanism Of Action
RDN-1201 - Drug Profile
Product Description
Mechanism Of Action
RDN-929 - Drug Profile
Product Description
Mechanism Of Action
History of Events
remetinostat - Drug Profile
Product Description
Mechanism Of Action
History of Events

resminostat - Drug Profile

Product Description

Mechanism Of Action

History of Events

ROD-1275 - Drug Profile

Product Description

Mechanism Of Action

Small Molecule to Inhibit HDAC1, HDAC2 and HDAC3 for Burkitt Lymphoma - Drug Profile

Product Description

Mechanism Of Action

History of Events

Small Molecule to Inhibit HDAC2 for Oncology - Drug Profile

Product Description

Mechanism Of Action

Small Molecule to Inhibit KDM1A, HDAC1 and HDAC2 for Melanoma - Drug Profile

Product Description

Mechanism Of Action

Small Molecules to Inhibit HDAC1 and 2 for Cognitive Dysfunction - Drug Profile

Product Description

Mechanism Of Action

History of Events

Small Molecules to Inhibit HDAC1 and HDAC2 for Hemoglobinopathies - Drug Profile

Product Description

Mechanism Of Action

Small Molecules to Inhibit HDAC1, HDAC2 and HDAC3 for Oncology - Drug Profile

Product Description

Mechanism Of Action

SP-1161 - Drug Profile

Product Description

Mechanism Of Action

History of Events

Synthetic Peptide to Inhibit HDAC for Prostate Cancer - Drug Profile

Product Description

Mechanism Of Action

History of Events

tucidinostat - Drug Profile

Product Description

Mechanism Of Action

History of Events

vorinostat - Drug Profile

Product Description

Mechanism Of Action

History of Events

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Dormant Products

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Discontinued Products

Histone Deacetylase 2 (Transcriptional Regulator Homolog RPD3 or YY1 Associated Factor 1 or HDAC2 or EC 3.5.1.98) - Product Development Milestones

Featured News & Press Releases

Jun 25, 2022: Italfarmaco Group announces positive topline data from phase 3 trial showing beneficial effect of givinostat in patients with Duchenne Muscular Dystrophy

Jun 02, 2022: OnKure Therapeutics announces first patient dosed in the phase 1b/2 Nautilus trial of OKI-179 in combination with binimetinib in patients with advanced NRAS-mutated melanoma

May 05, 2022: 4SC - Resminostat and RESMAIN study update

Apr 08, 2022: OnKure Therapeutics announces promising preclinical data on OKI-179 in RAS-mutated tumor models presented in a late-breaking session at AACR

Mar 08, 2022: OnKure Therapeutics to present late-breaking preclinical data on OKI-179 at the AACR Annual Meeting 2022

Feb 22, 2022: 4D pharma announces FDA clearance of IND application for Live Biotherapeutic MRx0029 for the treatment of Parkinson's disease

Dec 14, 2021: OnKure Therapeutics announces positive topline first-in-human phase 1 results for OKI-179

Dec 01, 2021: Licensing partner of Shenzhen Chipscreen Biosciences - HUYABIO International, receives regulatory approval for Chidamide monotherapy of Peripheral T-Cell Lymphoma(PTCL) in Japan

Nov 30, 2021: HUYABIO International receives regulatory approval for Hiyasta monotherapy of peripheral t-cell lymphoma In Japan

Nov 25, 2021: Approval for additional indication of Hiyasta tablets for relapsed or refractory PTCL treatment in Japan

Nov 18, 2021: Results from investigator-initiated phase II clinical study of remetinostat in patients with squamous cell carcinoma published

Oct 19, 2021: HUYABIO International launches Hiyasta as monotherapy for adult T-cell leukemia/lymphoma in Japan

Sep 21, 2021: HUYABIO announces first patient treated in a pivotal study of HBI-8000 combined with Opdivo (nivolumab) in patients with advanced melanoma

Aug 16, 2021: Medivir strengthens the business development potential of remetinostat through renegotiated multi-party agreement

Aug 12, 2021: Positive data from the remetinostat phase II study in basal cell carcinoma published in Clinical Cancer Research

[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, 2022
Number of Products under Development by Therapy Areas, 2022
Number of Products under Development by Indications, 2022
Number of Products under Development by Companies, 2022
Products under Development by Companies, 2022
Number of Products under Investigation by Universities/Institutes, 2022
Products under Investigation by Universities/Institutes, 2022
Number of Products by Stage and Mechanism of Actions, 2022
Number of Products by Stage and Route of Administration, 2022
Number of Products by Stage and Molecule Type, 2022
Pipeline by 4D Pharma Plc, 2022
Pipeline by 4SC AG, 2022
Pipeline by Alkermes Plc, 2022
Pipeline by Bristol-Myers Squibb Co, 2022
Pipeline by Curis Inc, 2022
Pipeline by GNT Biotech and Medicals Corp, 2022
Pipeline by Italfarmaco SpA, 2022
Pipeline by Jubilant Therapeutics Inc, 2022
Pipeline by Medibiofarma SL, 2022
Pipeline by Medivir AB, 2022
Pipeline by MEI Pharma Inc, 2022
Pipeline by Merck & Co Inc, 2022
Pipeline by Oceanyx Pharmaceuticals Inc, 2022
Pipeline by OnKure Inc, 2022
Pipeline by Regenacy Pharmaceuticals LLC, 2022
Pipeline by Shenzhen Chipscreen Biosciences Co Ltd, 2022
Pipeline by Shuttle Pharmaceuticals Inc, 2022
Pipeline by Zhejiang Hisun Pharmaceutical Co Ltd, 2022
Dormant Products, 2022
Discontinued Products, 2022

List Of Figures

LIST OF FIGURES

Number of Products under Development by Stage of Development, 2022

Number of Products under Development by Therapy Areas, 2022

Number of Products under Development by Top 10 Indications, 2022

Number of Products by Stage and Mechanism of Actions, 2022

Number of Products by Routes of Administration, 2022

Number of Products by Stage and Routes of Administration, 2022

Number of Products by Molecule Types, 2022

Number of Products by Stage and Molecule Types, 2022

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