

# 5-Hydroxytryptamine Receptor 6 - Pipeline Review, H2 2020

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### **Abstracts**

5-Hydroxytryptamine Receptor 6 - Pipeline Review, H2 2020

### SUMMARY

5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) - The 5-HT6 receptor is a subtype of 5-HT receptor that binds the endogenous neurotransmitter serotonin. Blockade of 5-HT6 receptors showed to increase glutamatergic and cholinergic neurotransmission in brain, whereas activation enhances GABAergic signaling in a widespread manner. Antagonism of 5-HT6 receptors facilitates dopamine and norepinephrine release in the frontal cortex while stimulation has the opposite effect. 5-HT6 receptor plays an important role in Alzheimer's disease and other forms of dementia and obesity.

5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) pipeline Target constitutes close to 15 molecules. Out of which approximately 14 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 2, 2, 8 and 1 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Central Nervous System, Cardiovascular, Metabolic Disorders and Respiratory which include indications Psychiatric Disorders, Alzheimer's Disease, Cognitive Disorders, Schizophrenia, Anxiety Disorders, Attention Deficit Hyperactivity Disorder (ADHD), Autism, Bipolar Disorder (Manic Depression), Dementia, Depression, Generalized Anxiety Disorder (GAD), Idiopathic Pulmonary Fibrosis, Major Depressive Disorder, Neurology, Obesity, Parkinson's Disease, Psychosis, Pulmonary Arterial Hypertension and Schizoaffective Disorder.

The latest report 5-Hydroxytryptamine Receptor 6 - Pipeline Review, H2 2020, outlays



comprehensive information on the 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) 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 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) 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 industryspecific 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 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6)

The report reviews 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) 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 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) targeted therapeutics and enlists all their major and minor projects

The report assesses 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) 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 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) 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 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6)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 5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) 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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**Product Description** Mechanism Of Action **R&D** Progress AV-3208 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress AVN-101 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress AVN-211 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress AVN-3205 - Drug Profile **Product Description** Mechanism Of Action R&D Progress AVN-322 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress AVN-492 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress brilaroxazine - Drug Profile **Product Description** Mechanism Of Action R&D Progress HEC-30654AcOH - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress idalopirdine - Drug Profile **Product Description** Mechanism Of Action R&D Progress



Pirdinenserin - Drug Profile

**Product Description** 

Mechanism Of Action

R&D Progress

Small Molecules to Antagonize 5-HT6 for Alzheimer's Disease - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Small Molecules to Antagonize 5-HT6 Receptor for Central Nervous System Disorders -Drug Profile

Product Description

Mechanism Of Action

**R&D** Progress

5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) - Dormant Products

5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) -

**Discontinued Products** 

5-Hydroxytryptamine Receptor 6 (5 HT6 or Serotonin Receptor 6 or HTR6) - Product Development Milestones

Featured News & Press Releases

Oct 09, 2019: ChemRar Group of Companies announces the successful completion of the second phase of clinical trials of an innovative drug for the treatment of generalized anxiety disorder

Jun 03, 2019: Reviva Pharmaceuticals announces successful completion of pre-IND meeting with FDA on Brilaroxazine for the treatment of idiopathic pulmonary fibrosis Apr 10, 2018: Reviva Pharmaceuticals Receives FDA Orphan Designation for RP5063 for the Treatment of Idiopathic Pulmonary Fibrosis (IPF)

Jan 10, 2018: Avineuro Pharmaceuticals Reported Phase Ib Trial Results of AVN-101 Oct 17, 2017: Reviva Pharmaceuticals Announces Successful Completion of Pre-IND Meeting With FDA on RP5063 for the Treatment of Pulmonary Arterial Hypertension Nov 17, 2016: Reviva Pharmaceuticals Receives FDA Orphan Designation for Pulmonary Arterial Hypertension (PAH)

Sep 22, 2016: Headline conclusions from the first out of three phase III studies on idalopirdine in Alzheimer's disease

Jul 07, 2016: Idalopirdine granted Fast Track Designation by U.S. Food and Drug Administration (FDA)

May 19, 2016: Reviva Pharmaceuticals Presented RP5063 Preclinical Efficacy Results for Pulmonary Arterial Hypertension at the American Thoracic Society Conference 2016 Apr 11, 2016: Lundbeck to Present Data on Idalopirdine at American Academy of



Neurology

Oct 22, 2015: Reviva Pharmaceuticals Reports RP5063 Positive Efficacy Results for Memory Deficits

Jul 01, 2015: Avineuro Completed Phase II Clinical Study Of AVN-211, A Selective

5-HT6 Receptor Antagonist

Dec 14, 2014: AllaChem Completes Phase Ib/IIa Clinical Study with AV4025, an HCV NS5A Inhibitor

Nov 05, 2013: Reviva Pharmaceuticals Announces Successful End-of-Phase 2 Meeting With FDA for RP5063

Oct 10, 2013: Lundbeck and Otsuka Initiate Phase III Clinical Trials on Lu AE58054 as a New Add-on Treatment for Alzheimer's Disease

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