

# Melanocyte Stimulating Hormone Receptor - Pipeline Review, H2 2020

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## **Abstracts**

Melanocyte Stimulating Hormone Receptor - Pipeline Review, H2 2020

### **SUMMARY**

Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) - Melanocyte-stimulating hormone receptor (MSHR) also known as melanocortin 1 receptor (MC1R), is a G protein-coupled receptor that binds to a peptide hormones known as the melanocortins, which include adrenocorticotropic hormone (ACTH). When activated by alpha-MSH, MC1R initiates a complex signaling cascade that leads to the production of the brown or black pigment eumelanin. The receptor also antagonize by agouti signaling peptide which reverts the cell back to producing the yellow or red phaeomelanin.

Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) pipeline Target constitutes close to 12 molecules. The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 2, 2, 1, 5 and 1 respectively. Report covers products from therapy areas Dermatology, Gastrointestinal, Genito Urinary System And Sex Hormones, Immunology, Metabolic Disorders, Central Nervous System, Genetic Disorders, Infectious Disease, Musculoskeletal Disorders, Ophthalmology, Respiratory and Oncology which include indications Diabetic Retinopathy, Coronavirus Disease 2019 (COVID-19), Inflammatory Bowel Disease, Multiple Sclerosis, Porphyria (Erythropoietic Protoporphyri), Rheumatoid Arthritis, Uveitis, Vitiligo, Acute Respiratory Distress Syndrome, Gouty Arthritis (Gout), IgA Nephropathy (Berger's Disease), Infantile Spasm (West Syndrome), Keratoconjunctivitis Sicca (Dry Eye), Kidney Disease (Nephropathy), Metastatic Melanoma, Nephrotic Syndrome, Peritonitis, Porphyria Variegata, Psoriatic Arthritis, Pulmonary Fibrosis, Systemic Lupus Erythematosus, Systemic Sclerosis



(Scleroderma) and Ulcerative Colitis.

The latest report Melanocyte Stimulating Hormone Receptor - Pipeline Review, H2 2020, outlays comprehensive information on the Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) 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 Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) 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 Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R)

The report reviews Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) 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 Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) targeted therapeutics and enlists all their major and minor projects



The report assesses Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) 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 Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) 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 Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R)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 Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or MC1R) 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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Aeguus BioPharma Inc

Clinuvel Pharmaceuticals Ltd

Eton Pharmaceuticals Inc

Mallinckrodt Plc

Mitsubishi Tanabe Pharma Corp

Palatin Technologies Inc

SynAct Pharma AB

Viewpoint Molecular Targeting LLC

Melanocyte Stimulating Hormone Receptor (Melanocortin Receptor 1 or MSHR or

MC1R) - Drug Profiles

afamelanotide acetate - Drug Profile

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Mechanism Of Action

**R&D Progress** 

AP-1189 - Drug Profile

**Product Description** 

Mechanism Of Action

**R&D Progress** 



AQB-565 - Drug Profile

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corticotropin - Drug Profile

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**Product Description** 

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Featured News & Press Releases

Oct 20, 2020: City of Rockford \$10 billion lawsuit against pharmaceutical giant Mallinckrodt threatened by bankruptcy

Oct 12, 2020: SynAct Pharma completes part 1 of clinical phase II study with AP1189 in rheumatoid arthritis

Sep 23, 2020: SynAct Pharma initiates Phase II study with AP1189 for the treatment of ARDS in COVID-19 patients

Sep 15, 2020: First patient dosed in SCENESSE DNA repair program

Sep 10, 2020: CLINUVEL progresses innovative DNA repair program

Sep 03, 2020: SynAct Pharma informs that the recruitment to part 1 in the Clinical

Phase II study with AP1189 in rheumatoid arthritis is completed

Aug 28, 2020: SynAct Pharma initiates RESOVIR: Scientific and clinical collaboration to explore AP1189 in viral infections

Aug 05, 2020: Palatin Technologies announces completion of enrollment of phase 2 study with PL9643 for the treatment of dry eye disease

Jul 15, 2020: Update on SynAct Pharma?s clinical phase II study with AP1189 in rheumatoid arthritis

Jul 13, 2020: PR?NUMBRA- new liquid Afamelanotide presentation

Jul 13, 2020: PR?NUMBRA - CLINUVEL's second Afamelanotide formulation

Jul 08, 2020: Palatin announces reinitiation of enrollment of phase 2 study with PL9643 for the treatment of Dry Eye Disease

Jun 29, 2020: SynAct Pharma has initiated the Phase II clinical study with AP1189 in Nephrotic Syndrome

Jun 23, 2020: Palatin Technologies to develop PL8177 as a potential treatment for COVID-19 and associated lung complications

Jun 19, 2020: Phase-3 clinical trial of MT-7117 initiated in the U.S. for rare diseases, erythropoietic protoporphyria (EPP) and X-linked protoporphyria (XLP)

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