

# Growth Hormone Secretagogue Receptor Type 1 - Drugs In Development, 2021

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## Abstracts

Growth Hormone Secretagogue Receptor Type 1 - Drugs In Development, 2021

### SUMMARY

Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) pipeline Target constitutes close to 15 molecules. Out of which approximately 14 molecules are developed by companies and remaining by the universities/institutes. The latest report Growth Hormone Secretagogue Receptor Type 1 - Drugs In Development, 2021, outlays comprehensive information on the Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) - Growth hormone secretagogue receptor (GHSR) also known as ghrelin receptor, is a G protein-coupled receptor that binds ghrelin. Ghrelin is an appetite-regulating factor secreted from peripheral organs via binding to the receptor resulting in the secretion of growth hormone by the pituitary gland. The pathway activated by binding of ghrelin to the growth hormone secretagogue receptor, GHSR1a, regulates the activation of the downstream mitogen-activated protein kinase, Akt, nitric oxide synthase, and AMPK cascades in different cellular systems. Inverse agonists for the ghrelin receptor could be particularly interesting for the treatment of obesity. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 4, 1, 7 and 1 respectively. Similarly, the universities portfolio in Phase II stages comprises 1 molecules, respectively. Report covers products from

therapy areas Oncology, Central Nervous System, Toxicology, Cardiovascular, Genetic Disorders, Hormonal Disorders, Gastrointestinal, Genito Urinary System And Sex Hormones, Infectious Disease, Metabolic Disorders, Musculoskeletal Disorders and Women's Health which include indications Cancer Anorexia-Cachexia Syndrome, Growth Hormone Deficiency, Radiation Toxicity (Radiation Sickness, Acute Radiation Syndrome), Acute Ischemic Stroke, Alcohol Addiction, Amyotrophic Lateral Sclerosis, Born Small For Gestational Age (SGA), Cachexia, Chemotherapy Effects, Chronic Kidney Disease (Chronic Renal Failure), Constipation, Endocrine Gland Disorders, Fatigue, Ischemia, Obesity, Prader-Willi Syndrome (PWS), Sepsis, Traumatic Brain Injury and Turner Syndrome.

Furthermore, this report also reviews key players involved in Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) 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 Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR)

The report reviews Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) 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 Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) targeted therapeutics and enlists all their major and minor projects

The report assesses Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) 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 Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) 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 Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) 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 Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) 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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AstraZeneca Plc

Extend Biosciences Inc

Helsinn Group

Lumos Pharma Inc

Oxeia Biopharmaceuticals Inc

Pfizer Inc

RaQualia Pharma Inc

Tempest Therapeutics Inc

TheraSource LLC

Zeria Pharmaceutical Co Ltd

Growth Hormone Secretagogue Receptor Type 1 (GH Releasing Peptide Receptor or Ghrelin Receptor or GHSR) - Drug Profiles

anamorelin hydrochloride - Drug Profile

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R&D Progress

AZ-12861903 - Drug Profile

Product Description

Mechanism Of Action

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Product Description

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Product Description

Mechanism Of Action

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RQ-00433412 - Drug Profile

Product Description

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Product Description

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Featured News & Press Releases

Jun 28, 2021: Lumos Pharma announces OraGrowth212 trial of LUM-201 in PGHD is open for enrollment

Jun 03, 2021: Aeterna Zentaris announces final settlement of previously disclosed class-action lawsuit

May 17, 2021: Aeterna Zentaris announces the start of preclinical development of Macimorelin at The University of Queensland as a potential new treatment option for patients with amyotrophic lateral sclerosis (ALS, Lou Gehrig's Disease)

May 13, 2021: Aeterna Zentaris commences pivotal phase 3 DETECT-trial for the diagnosis of childhood-onset growth hormone deficiency

Apr 27, 2021: Newly released data on three PGHD patients treated with LUM-201 in prior phase 2 study to be presented in Lumos Pharma Key Opinion Leader Webinar

Apr 21, 2021: Launch of Adlumiz (anamorelin), a Ghrelin Receptor Agonist in Japan

Apr 14, 2021: Lumos Pharma to host key opinion leader event on LUM-201 for the treatment of pediatric growth hormone deficiency

Mar 20, 2021: Data presented at ENDO 2021 differentiate LUM-201 from standard growth hormone secretagogues and further support LUM-201's potential as a

therapeutic for pediatric growth hormone deficiency

Mar 04, 2021: Data supporting use of predictive enrichment markers for Lumos Pharma's LUM-201 therapy in clinical trials for moderate PGHD published in Journal of the Endocrine Society

Mar 02, 2021: Lumos Pharma to present poster demonstrating greater GH response to LUM-201 than to standard GH secretagogues in PGHD at the Endocrine Society (ENDO) 2021 annual meeting

Jan 22, 2021: ONO receives a manufacturing and marketing approval of Adlumiz (anamorelin), a ghrelin receptor agonist for the treatment of cancer cachexia in Japan

Oct 21, 2020: Oxeia Biopharmaceuticals announces initiation of phase 2 trial for OXE103 for the treatment of concussions

Sep 16, 2020: Aeterna Zentaris provides corporate update

Sep 08, 2020: Aeterna Zentaris announced presentation of positive results from first pediatric study of Macimorelin at the 22nd European Congress of Endocrinology

Jul 31, 2020: Aeterna Zentaris announces continued expansion of intellectual property portfolio for Macimorelin with additional patent applications

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