

Complement C5 - Pipeline Review, H1 2020

<https://marketpublishers.com/r/C7A334EC98AFEN.html>

Date: May 2020

Pages: 167

Price: US\$ 3,500.00 (Single User License)

ID: C7A334EC98AFEN

Abstracts

Complement C5 - Pipeline Review, H1 2020

SUMMARY

Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) pipeline Target constitutes close to 34 molecules. Out of which approximately 30 molecules are developed by companies and remaining by the universities/institutes. The latest report Complement C5 – Pipeline Review, H1 2020, outlays comprehensive information on the Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) – Complement component 5 is a protein is encoded by the C5 gene. Activation of C5 by a C5 convertase initiates the spontaneous assembly of the late complement components, C5-C9, into the membrane attack complex. C5b has a transient binding site for C6. The C5b-C6 complex is the foundation upon which the lytic complex is assembled. Binding to the receptor C5AR1 induces a variety of responses including intracellular calcium release, contraction of smooth muscle, increased vascular permeability, and histamine release from mast cells and basophilic leukocytes. C5a is also a potent chemokine which stimulates the locomotion of polymorphonuclear leukocytes and directs their migration toward sites of inflammation.

The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Unknown stages are 1, 9, 4, 4, 11 and 1 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 3 and 1 molecules, respectively. Report covers products from therapy areas Hematological Disorders,

Immunology, Gastrointestinal, Infectious Disease, Central Nervous System, Ophthalmology, Cardiovascular, Dermatology, Genito Urinary System And Sex Hormones, Respiratory, Oncology, Undisclosed and Other Diseases which include indications Paroxysmal Nocturnal Hemoglobinuria, Myasthenia Gravis, Atypical Hemolytic Uremic Syndrome (Nondiarrhea - Associated Hemolytic Uremic Syndrome), Coronavirus Disease 2019 (COVID-19), Chronic Inflammation, Autoimmune Disorders, Neuromyelitis Optica (Devic's Syndrome), Pneumonia, Acute Lung Injury, Amyotrophic Lateral Sclerosis, Atopic Keratoconjunctivitis, Bullous Pemphigoid, Geographic Atrophy, Hidradenitis Suppurativa, IgA Nephropathy (Berger's Disease), Kidney Disease (Nephropathy), Lupus Nephritis, Thrombotic Microangiopathy, Unspecified, Uveitis, Acute Respiratory Distress Syndrome, Age Related Macular Degeneration, Anti-Neutrophil Cytoplasmic Antibody-Associated Vasculitis (ANCA Vasculitis), Antiphospholipid Syndrome, Bacterial Sepsis, Cardiovascular Inflammation, Choroidal Neovascularization, Community Acquired Pneumonia, Granulomatosis with Polyangiitis (Wegener's Granulomatosis), Guillain-Barre Syndrome, Intermediate Uveitis, Ischemia, Juvenile Macular Degeneration (Stargardt Disease), Liver Transplant Rejection, Lung Adenocarcinoma, Lung Disease, Microscopic Polyangiitis (MPA), Multiple Organ Failure (Multiple Organ Dysfunction Syndrome), Posterior Uveitis, Primary Progressive Multiple Sclerosis (PPMS), Pyoderma Gangrenosum, Rheumatoid Arthritis, Sepsis, Septic Shock, Subarachnoid Hemorrhage, Sudoriferous (Sweat) Gland Disorders and Typical Hemolytic Uremic Syndrome (Shiga-Toxin Associated Hemolytic Uremic Syndrome).

Furthermore, this report also reviews key players involved in Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) 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 Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5)

The report reviews Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) 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 Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) targeted therapeutics and enlists all their major and minor projects

The report assesses Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) 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 Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) 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 Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5)

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 Complement C5 (C3 And PZP Like Alpha 2 Macroglobulin Domain Containing Protein 4 or C5) 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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COMPANIES MENTIONED

Adienne Pharma & Biotech

Akari Therapeutics Plc

Alexion Pharmaceuticals Inc

Alnylam Pharmaceuticals Inc

Amgen Inc

Aptarion biotech AG

Biocad

Chugai Pharmaceutical Co Ltd

InflaRx NV

ISU ABXIS Co Ltd

IVERIC bio Inc

Navigen Inc

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Regeneron Pharmaceuticals Inc

Samsung Bioepis Co Ltd

Staidson (Beijing) Biopharmaceuticals Co Ltd

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