

Transforming Growth Factor Beta 1 (TGFB1) - Pipeline Review, H1 2018

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Abstracts

Transforming Growth Factor Beta 1 (TGFB1) - Pipeline Review, H1 2018

SUMMARY

Transforming Growth Factor Beta 1 (TGFB1) pipeline Target constitutes close to 20 molecules. Out of which approximately 15 molecules are developed by companies and remaining by the universities/institutes. The latest report Transforming Growth Factor Beta 1 (TGFB1) - Pipeline Review, H1 2018, outlays comprehensive information on the Transforming Growth Factor Beta 1 (TGFB1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Transforming Growth Factor Beta 1 (TGFB1) - Transforming growth factor beta 1 (TGF- β 1) is a polypeptide member of the transforming growth factor beta superfamily of cytokines encoded by the TGFB1 gene. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts.

It promotes either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. It leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression at high concentration. It leads to expression of the IL-17 and IL-23 receptors favoring differentiation to Th17 cells at low concentration.

The molecules developed by companies in Phase II, Phase I, Preclinical and Discovery stages are 3, 1, 8 and 3 respectively. Similarly, the universities portfolio in Preclinical

and Discovery stages comprises 4 and 1 molecules, respectively. Report covers products from therapy areas Oncology, Musculoskeletal Disorders, Cardiovascular, Dermatology, Genito Urinary System And Sex Hormones, Gastrointestinal, Immunology, Ophthalmology, Respiratory, Central Nervous System, Genetic Disorders, Hematological Disorders and Metabolic Disorders which include indications Fibrosis, Kidney Fibrosis, Liver Fibrosis, Myelofibrosis, Osteoarthritis, Acute Pain, Anemia, Atherosclerosis, Bile Duct Cancer (Cholangiocarcinoma), Breast Cancer, Cervical Cancer, Chronic Pancreatitis Pain, Diabetic Nephropathy, Glioblastoma Multiforme (GBM), Head And Neck Cancer, Hypertrophic Scars, Idiopathic Pulmonary Fibrosis, Inflammation, Lung Adenocarcinoma, Metastatic Breast Cancer, Myelodysplastic Syndrome, Non-Small Cell Lung Cancer, Open-Angle Glaucoma, Osteogenesis Imperfecta, Peripheral Artery Occlusive Disease (PAOD), Primary Sclerosing Cholangitis, Proliferative Vitreoretinopathy (PVR), Pulmonary Fibrosis, Pulmonary Hypertension, Scar, Skin Inflammation, Solid Tumor, Squamous Cell Carcinoma, Systemic Sclerosis (Scleroderma) and Wounds.

Furthermore, this report also reviews key players involved in Transforming Growth Factor Beta 1 (TGFB1) 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 Transforming Growth Factor Beta 1 (TGFB1)

The report reviews Transforming Growth Factor Beta 1 (TGFB1) 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 Transforming Growth Factor Beta 1 (TGFB1) targeted therapeutics and enlists all their major and minor projects

The report assesses Transforming Growth Factor Beta 1 (TGFB1) 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 Transforming Growth Factor Beta 1 (TGFB1) 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 Transforming Growth Factor Beta 1 (TGFB1)

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 Transforming Growth Factor Beta 1 (TGFB1) 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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Assessment by Route of Administration

Assessment by Molecule Type

Transforming Growth Factor Beta 1 (TGFB1) - Companies Involved in Therapeutics Development

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AlfaSigma SpA

Ensol Biosciences Inc

Formation Biologics Inc

Genzyme Corp

Huabo Biopharm Co Ltd

Isarna Therapeutics GmbH

Johnson & Johnson

Novartis AG

Scholar Rock Inc

Sirnaomics Inc

Transforming Growth Factor Beta 1 (TGFB1) - Drug Profiles

ACE-1332 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Antibody to Inhibit TGF-Beta 1 for Osteoarthritis - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AVID-200 - Drug Profile

Product Description

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decorin - Drug Profile

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Engedi-1000 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

fluorofenidone - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

fresolimumab - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

HB-001 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

ISTH-1047 - Drug Profile

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Mechanism Of Action

R&D Progress

ISTH-1106 - Drug Profile

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R&D Progress

Monoclonal Antibodies to Inhibit TGF Beta1 for Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Monoclonal Antibody 1 to Inhibit TGFB1 for Oncology - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Monoclonal Antibody to Inhibit TGF-Beta-1 for Acute Pain and Chronic Pancreatitis Pain

- Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Monoclonal Antibody to Inhibit TGFB1 for Oncology - Drug Profile

Product Description

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Product Description

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Product Description

Mechanism Of Action

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Product Description

Mechanism Of Action

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Featured News & Press Releases

Feb 17, 2018: AVID200 Program Featured in an Oral Presentation at the 5th Systemic Sclerosis World Congress and Received an Award for One of the Most Original Works Presented at the Congress

Feb 02, 2018: Formation Biologics Announces Award of \$675,000 BioCanRx Grant to Support Development of AVID200

Dec 06, 2017: Sirnaomics' Leading siRNA Therapeutic Candidate, STP705, Granted Orphan Designation for Treatment of Cholangiocarcinoma

Oct 06, 2017: Sirnaomics Publishes Results Showing Dual Targeting of TGF- β 1 and COX-2 Reduces Human Skin Hypertrophic Scar through Activation of Fibroblast Apoptosis

Aug 01, 2017: Sirnaomics Leading siRNA Therapeutic Candidate, STP705, Granted Orphan Designation for the Treatment of Primary Sclerosing Cholangitis

Jun 15, 2017: Sirnaomics Advances Leading siRNA Therapeutic Candidate, STP705, for Treatment of Liver Fibrosis

May 01, 2017: Sirnaomics Received IND Approval from CFDA for Its Leading siRNA Therapeutic Candidate, STP705, for Treatment of Hypertrophic Scar

Feb 06, 2017: Sirnaomics Initiates a Clinical Phase IIa Study of Its Leading siRNA Therapeutic Candidate, STP705, for Treatment of Hypertrophic Scar

Jan 03, 2017: Haiyao Obtains Clinical Trial Approval for Fluorofenidone from General Administration of Pharmacy, China

Nov 07, 2016: Sirnaomics Received Green Light from US FDA for a Clinical Phase IIa Study of Its Leading siRNA Therapeutic Candidate, STP705, for Treatment of Hypertrophic Scar

Jul 14, 2015: Scholar Rock Presents Preclinical Data for First Demonstration of Novel Pharmacological Approach to Targeting the TGF β 1 Latent Complex

Jan 22, 2015: Sirnaomics Files to Begin Trial of Scar-healing Drug in China as it Seeks Funding in US

Jan 05, 2015: Sirnaomics and Partner Submit IND to CFDA

Jun 28, 2012: Sirnaomics Nears Phase I Study of Wound-Healing Drug as It Eyes the microRNA Field

Jun 25, 2012: Sirnaomics Receives NIH SBIR Grant For Developing siRNA Therapeutic Product STP705

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COMPANIES MENTIONED

Acceleron Pharma Inc

AlfaSigma SpA

Ensol Biosciences Inc

Formation Biologics Inc

Genzyme Corp

Huabo Biopharm Co Ltd

Isarna Therapeutics GmbH

Johnson & Johnson

Novartis AG

Scholar Rock Inc

Sirnaomics Inc

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