

# Macrophage Migration Inhibitory Factor - Pipeline Review, H2 2019

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### **Abstracts**

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#### SUMMARY

Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) pipeline Target constitutes close to 14 molecules. Out of which approximately 12 molecules are developed by companies and remaining by the universities/institutes. The latest report Macrophage Migration Inhibitory Factor - Pipeline Review, H2 2019, outlays comprehensive information on the Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) - Macrophage migration inhibitory factor (MIF) also known as glycosylation-inhibiting factor (GIF) is a protein that is encoded by the MIF gene. Macrophage migration inhibitory factor (MIF) is a pleiotropic cytokine produced by the pituitary gland and multiple cell types, including macrophages, dendritic cells (DC) and T-cells. Upon releases MIF modulates the expression of several inflammatory molecules, such as TNF-?, nitric oxide and cyclooxygenase 2 (COX-2). MIF is an important regulator of innate immunity. Antigens stimulate white blood cells to release MIF into the blood stream. The circulating MIF binds to CD74 on other immune



cells and trigger an acute immune response. MIF plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoid. The molecules developed by companies in Preclinical and Discovery stages are 8 and 4 respectively. Similarly, the universities portfolio in Preclinical stages comprises 2 molecules, respectively. Report covers products from therapy areas Immunology, Oncology, Cardiovascular, Gastrointestinal, Central Nervous System, Genito Urinary System And Sex Hormones, Metabolic Disorders, Respiratory, Dermatology and Infectious Disease which include indications Rheumatoid Arthritis, Glomerulonephritis, Inflammatory Bowel Disease, Multiple Sclerosis, Pulmonary Arterial Hypertension, Type 1 Diabetes (Juvenile Diabetes), Alzheimer's Disease, Asthma, Atopic Dermatitis (Atopic Eczema), Autoimmune Disorders, Crohn's Disease (Regional Enteritis), Idiopathic Pulmonary Fibrosis, Inflammation, Malaria, Myocardial Infarction, Obesity, Prostate Cancer, Psoriasis, Systemic Lupus Erythematosus, Type 2 Diabetes and Ulcerative Colitis.

Furthermore, this report also reviews key players involved in Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) 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.

#### SCOPE

The report provides a snapshot of the global therapeutic landscape for Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12)

The report reviews Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) 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 Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) targeted therapeutics and enlists all their major and minor projects

The report assesses Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) 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 Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) 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 Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12)



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 Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachrome Tautomerase or Phenylpyruvate Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) 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**

Apaxen GlaxoSmithKline Plc Ibex Biosciences LLC Innovimmune Biotherapeutics Inc L2 Diagnostics LLC Mifcare MIFCOR Inc Takeda Pharmaceutical Co Ltd



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