

# **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 Review, H1 2018**

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## **Abstracts**

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 Review, H1 2018

### **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 11 molecules. Out of which approximately 10 molecules are developed by companies and remaining by the universities/institutes.

The latest report Macrophage Migration Inhibitory Factor - Pipeline Review, H1 2018, 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- $\alpha$ , 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 Phase II, Phase I, Preclinical and Discovery stages are 1, 1, 6 and 2 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Oncology, Cardiovascular, Gastrointestinal, Central Nervous System, Genito Urinary System And Sex Hormones, Immunology, Metabolic Disorders, Dermatology and Respiratory which include indications Glomerulonephritis, Inflammatory Bowel Disease, Pulmonary Arterial Hypertension, Rheumatoid Arthritis, Type 1 Diabetes (Juvenile Diabetes), Alcohol Addiction, Alzheimer's Disease, Amyotrophic Lateral Sclerosis, Asthma, Atopic Dermatitis, Crohn's Disease (Regional Enteritis), Drug Addiction, Globoid Cell Leukodystrophy (Krabbe Disease), Multiple Sclerosis, Myocardial Infarction, Obesity, Opium Withdrawal Syndrome, Primary Progressive Multiple Sclerosis (PPMS), Psoriasis, Recurrent Glioblastoma Multiforme (GBM), Secondary Progressive Multiple Sclerosis (SPMS), Solid Tumor, Systemic Lupus Erythematosus, Traumatic Brain Injury, 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.

**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 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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Kyorin Pharmaceutical Co Ltd

Shire Plc

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) - Drug Profiles

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Tautomerase or MIF or EC 5.3.2.1 or EC 5.3.3.12) - Dormant Products

*Macrophage Migration Inhibitory Factor (Glycosylation Inhibiting Factor or L Dopachrome Isomerase or L Dopachr...*



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) - Discontinued Products  
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Feb 18, 2018: MediciNova Announces Upcoming Presentation of the SPRINT-MS Phase 2b Trial of MN-166 (ibudilast) in Progressive MS at the American Academy of Neurology 70th Annual Meeting

Feb 01, 2018: MediciNova Announces MN-166 (ibudilast) Demonstrated a 26% Reduction in Confirmed Disability Progression in the SPRINT-MS Phase 2b Trial in Progressive MS: Potential Best-in-Disease Drug

Jan 31, 2018: MediciNova Announces Presentation of the SPRINT-MS Phase 2b Study of MN-166 (ibudilast) in Progressive MS at the ACTRIMS Forum

Jan 30, 2018: MediciNova Announces MN-166 (ibudilast) ALS Abstract Accepted for Presentation at the American Academy of Neurology 70th Annual Meeting in Los Angeles, California

Dec 07, 2017: MediciNova Announces Positive Top-Line Results from the Clinical Trial of MN-166 (ibudilast) in ALS

Nov 01, 2017: MediciNova Announces MN-166 (ibudilast) ALS Abstract Accepted for Presentation at the 28th International Symposium on ALS/MND in Boston, MA, USA

Oct 28, 2017: Cleveland Clinic trial on drug shows promise in slowing progressive multiple sclerosis

Oct 26, 2017: MediciNova Announces Positive Top-Line Results from the SPRINT-MS Phase 2b Trial of MN-166 (ibudilast) in Progressive MS: Achieved Both Primary Endpoints including a Significant Reduction in Whole Brain Atrophy and Safety and Tolerability

Sep 19, 2017: MediciNova Announces the Completion of Enrollment in the Phase 2 Clinical Trial of MN-166 (ibudilast) in Methamphetamine Dependence

Aug 30, 2017: MediciNova Announces the Abstract from the MN-166 SPRINT-MS Phase 2b Study in Progressive MS - including Top Line Data - was Selected as a Platform Presentation for Late-Breaking Presentation at the 7th Joint ECTRIMS - ACTRIMS Meeting on October 28, 2017 in Paris, France

Jun 06, 2017: Drug repurposing shows promising results in a pre-clinical glioblastoma study

Jun 05, 2017: MediciNova Announces Positive Results from a Glioblastoma Animal Model Study Presented at the 2017 American Society of Clinical Oncology Annual Meeting

Apr 25, 2017: MediciNova Announces Exploratory Interim Clinical Outcomes Data from Clinical Trial of MN-166 (ibudilast) in ALS Presented at the American Academy of Neurology 69th Annual Meeting in Boston

Apr 09, 2017: MediciNova Announces MN-166 (ibudilast) Glioblastoma Abstract Selected for Presentation at the 2017 American Society of Clinical Oncology Annual Meeting in Chicago, Illinois

Feb 27, 2017: MediciNova Announces MN-166 (ibudilast) Glioblastoma Abstract Selected for Presentation at the 5th Quadrennial Meeting of the World Federation of Neuro-Oncology Societies in Zurich, Switzerland

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### COMPANIES MENTIONED

Kyorin Pharmaceutical Co Ltd

Shire Plc

## I would like to order

Product name: 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 Review, H1 2018

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