

# Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Pipeline Review, H2 2017

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# **Abstracts**

Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Pipeline Review, H2 2017

### SUMMARY

According to the recently published report 'Macrophage Colony Stimulating Factor 1 Receptor - Pipeline Review, H2 2017'; Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) pipeline Target constitutes close to 36 molecules. Out of which approximately 34 molecules are developed by companies and remaining by the universities/institutes.

Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Macrophage colony-stimulating factor (M-CSF) is a secreted cytokine which influences hematopoietic stem cells to differentiate into macrophages or other related cell types. It plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. It promotes the release of pro-inflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. It plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. It required for normal male and female fertility. It promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration.

The report 'Macrophage Colony Stimulating Factor 1 Receptor - Pipeline Review, H2



2017' outlays comprehensive information on the Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type; that are being developed by Companies/Universities.

It also reviews key players involved in Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Pre-Registration, Filing rejected/Withdrawn, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 3, 1, 2, 7, 8, 10 and 3 respectively. Similarly, the universities portfolio in Preclinical stages comprises 2 molecules, respectively. Report covers products from therapy areas Oncology, Musculoskeletal Disorders, Central Nervous System, Gastrointestinal, Genetic Disorders, Immunology, Genito Urinary System And Sex Hormones, Respiratory and Undisclosed which include indications Solid Tumor, Ovarian Cancer, Breast Cancer, Epithelial Ovarian Cancer, Metastatic Melanoma, Bladder Cancer, Fallopian Tube Cancer, Gastric Cancer, Melanoma, Peritoneal Cancer, Pigmented Villonodular Synovitis, Recurrent Glioblastoma Multiforme (GBM), Tenosynovial Giant Cell Tumor, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Bile Duct Cancer (Cholangiocarcinoma), Colorectal Cancer, Gastrointestinal Stromal Tumor (GIST), Head And Neck Cancer Squamous Cell Carcinoma, Metastatic Breast Cancer, Metastatic Colorectal Cancer, Non-Small Cell Lung Cancer, Pancreatic Cancer, Soft Tissue Sarcoma, Acral Lentiginous Melanoma, Follicular Thyroid Cancer, Gallbladder Cancer, Glioblastoma Multiforme (GBM), Inflammation, Medullary Thyroid Cancer, Metastatic Adenocarcinoma of The Pancreas, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Metastatic Ovarian Cancer, Papillary Thyroid Cancer, Renal Cell Carcinoma, Thyroid Cancer, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Adenocarcinoma, Adenocarcinoma Of The Gastroesophageal Junction, Alzheimer's Disease, Amyotrophic Lateral Sclerosis, Anaplastic Thyroid Cancer, Angiosarcoma, Asthma, Bone Metastasis, Brenner Tumor, Charcot-Marie-Tooth Disease Type I, Chondrosarcoma, Chronic Lymphocytic Leukemia (CLL), Colon Cancer, Crohn's Disease (Regional Enteritis), End-Stage Kidney Disease (End-Stage Renal Disease or ESRD), Endometrial Cancer, Ewing Sarcoma, Extrahepatic Bile Duct Cancer, Gliosarcoma, Hematological Tumor, Lentigo Maligna Melanoma, Liposarcoma, Lung Adenocarcinoma, Malignant Ascites, Malignant Mesothelioma, Merkel Cell Carcinoma, Metastatic Bile Duct Cancer, Metastatic Biliary Tract Cancer, Metastatic Pancreatic Cancer, Metastatic Renal Cell Carcinoma, Myelodysplastic Syndrome, Myelofibrosis,



Myeloproliferative Disorders, Neuroblastoma, Neuroendocrine Tumors, Neuroinflammation, Non-Hodgkin Lymphoma, Non-Small Cell Lung Carcinoma, Osteolysis, Osteosarcoma, Pancreatic Ductal Adenocarcinoma, Paraganglioma (Glomus Jugulare Tumor), Peripheral Nerve Sheath Tumor (Neurofibrosarcoma), Peripheral T-Cell Lymphomas (PTCL), Pheochromocytoma, Post-Polycythemia Vera Myelofibrosis (PPV-MF), Primary Progressive Multiple Sclerosis (PPMS), Progressive Supranuclear Palsy, Prostate Cancer, Refractory Multiple Myeloma, Relapsed Multiple Myeloma, Relapsing Remitting Multiple Sclerosis (RRMS), Renal Failure, Rhabdomyosarcoma, Salivary Gland Cancer, Sarcomas, Secondary Progressive Multiple Sclerosis (SPMS), Squamous Non-Small Cell Lung Cancer, Systemic Mastocytosis, Transitional Cell Carcinoma (Urothelial Cell Carcinoma), Unspecified, Uveal Melanoma and Von Hippel-Lindau Syndrome.

**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 Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1)

The report reviews Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) 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 Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) targeted therapeutics and enlists all their major and minor projects



The report assesses Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) 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 Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) 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 Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1)

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 Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) 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



# Contents

Introduction Global Markets Direct Report Coverage Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Overview Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Therapeutics Development Products under Development by Stage of Development Products under Development by Therapy Area Products under Development by Indication Products under Development by Companies Products under Development by Universities/Institutes Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Therapeutics Assessment Assessment by Mechanism of Action Assessment by Route of Administration Assessment by Molecule Type Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Companies Involved in Therapeutics **Development AB Science SA** Amgen Inc Array BioPharma Inc **BCI** Pharma Bristol-Myers Squibb Co CrystalGenomics Inc CTI BioPharma Corp Deciphera Pharmaceuticals LLC Eli Lilly and Co Elsalys Biotech SAS F. Hoffmann-La Roche Ltd GigaGen Inc Hutchison MediPharma Ltd Ignyta Inc Nerviano Medical Sciences Srl Novartis AG Pfizer Inc Plexxikon Inc



SignalChem Lifesciences Corp Syndax Pharmaceuticals Inc Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Drug Profiles AMG-820 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress ARRY-382 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress atezolizumab + emactuzumab - Drug Profile **Product Description** Mechanism Of Action R&D Progress BLZ-945 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress cabiralizumab - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress DCBX-02 - Drug Profile **Product Description** Mechanism Of Action R&D Progress DCC-3014 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress ELB-041 - Drug Profile **Product Description** Mechanism Of Action R&D Progress emactuzumab - Drug Profile **Product Description** Mechanism Of Action





**R&D** Progress emactuzumab + RG-7876 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress GW-2580 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress HMPL-012 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress LY-3022855 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress masitinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Monoclonal Antibodies to Antagonize CSF1R for Oncology - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress MSB-015 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress NMSP-088 - Drug Profile **Product Description** Mechanism Of Action R&D Progress pacritinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress pazopanib hydrochloride - Drug Profile

Product Description



Mechanism Of Action

R&D Progress

pazopanib hydrochloride + pembrolizumab - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

PD-0360324 - Drug Profile

**Product Description** 

Mechanism Of Action

**R&D** Progress

pexidartinib hydrochloride - Drug Profile

**Product Description** 

Mechanism Of Action

**R&D** Progress

PLX-5622 - Drug Profile

Product Description

Mechanism Of Action

**R&D** Progress

PLX-73086 - Drug Profile

**Product Description** 

Mechanism Of Action

**R&D** Progress

PLX-7486 - Drug Profile

**Product Description** 

Mechanism Of Action

R&D Progress

PRV-6527 - Drug Profile

Product Description

Mechanism Of Action

**R&D** Progress

RXDX-105 - Drug Profile

**Product Description** 

Mechanism Of Action

R&D Progress

Small Molecule to Antagonize CSF1R for Oncology and Neuroinflammation - Drug Profile

Product Description

Mechanism Of Action

R&D Progress



Small Molecule to Antagonize FLT3 and CSF1R for AML and Inflammation - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Small Molecule to Inhibitor CSF1R for Oncology - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Small Molecules to Antagonize CSF-1 Receptor for Oncology - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress Small Molecules to Antagonize CSF-1R for Inflammation - Drug Profile Product Description Mechanism Of Action **R&D** Progress Small Molecules to Target CSF-1R for Unspecified Indication - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress SNDX-6352 - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress sunitinib - Drug Profile **Product Description** Mechanism Of Action **R&D** Progress sunitinib malate - Drug Profile **Product Description** Mechanism Of Action R&D Progress Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Dormant Products Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Discontinued Products Macrophage Colony Stimulating Factor 1 Receptor (CSF 1 Receptor or Proto Oncogene c Fms or CD115 or CSF1R or EC 2.7.10.1) - Product Development Milestones



### Featured News & Press Releases

Nov 21, 2017: Preclinical data published in Nature Communications shows that masitinib is capable of counteracting resistance to oncology treatments, including gemcitabine

Nov 16, 2017: Pfizer Receives FDA Approval For Sutent (Sunitinib Malate) as First and Only Adjuvant Treatment for Adult Patients at High Risk of Recurrent Renal Cell Carcinoma

Nov 13, 2017: Array BioPharma Reports Initial Results From Novel Immunotherapy Combination At The Society For Immunotherapy Of Cancer 32nd Annual Meeting Nov 11, 2017: Syndax Announces Presentation of Clinical Trial Data on Drug Candidate SNDX-6352 at Society for Immunotherapy of Cancer 32nd Annual Scientific Meeting Nov 09, 2017: Bristol-Myers Squibb and Five Prime Present Phase 1a/1b Data Evaluating Cabiralizumab (anti-CSF-1 receptor antibody) with Opdivo (nivolumab) in Patients with Advanced Solid Tumors

Nov 07, 2017: Five Prime Therapeutics to Host Conference Call on November 8 to Review Cabiralizumab Phase 1a/1b Data

Nov 07, 2017: Syndax to Present Data On Drug Candidate SNDX-6352 at SITC 32nd Annual Scientific Meeting

Oct 31, 2017: Daiichi Sankyo Announces ENLIVEN Phase 3 Study of Pexidartinib Met Primary Endpoint in Tenosynovial Giant Cell Tumor

Oct 19, 2017: Preclinical data showing protective effect of masitinib on the peripheral nervous system in ALS published in the Journal of Clinical Investigation Insight Oct 11, 2017: Five Prime Announces Cabiralizumab Phase 1a/1b Data Abstract Selected for Late Breaking Oral Presentation at the Society for Immunotherapy of Cancer 32nd Annual Meeting

Sep 28, 2017: AB Science announces that abstracts reporting on clinical and preclinical data of masitinib in the treatment of ALS, have been selected for presentation at 6 major international meetings during 2017

Sep 19, 2017: Pfizer Announces Outcome of FDA Advisory Committee Meeting for SUTENT in Patients at High Risk of Recurrent Renal Cell Carcinoma After Surgery Sep 14, 2017: AB Science announces that CHMP adopted a negative opinion for masitinib marketing authorization in indolent systemic mastocytosis after reassessment Sep 11, 2017: Ignyta Provides Update on Investigational Lung Cancer Drug RXDX-105 at ESMO 2017 Congress

Sep 07, 2017: Ignyta Announces Presentation of New Phase 1B Clinical Data on RXDX-105 in RET Fusion-Positive NSCLC at ESMO 2017 Congress Appendix Methodology Coverage



Secondary Research Primary Research Expert Panel Validation Contact Us Disclaimer



# **List Of Tables**

### LIST OF TABLES

Number of Products under Development by Stage of Development, H2 2017 Number of Products under Development by Therapy Areas, H2 2017 Number of Products under Development by Indications, H2 2017 Number of Products under Development by Indications, H2 2017 (Contd.1), H2 2017 Number of Products under Development by Indications, H2 2017 (Contd.2), H2 2017 Number of Products under Development by Indications, H2 2017 (Contd.3), H2 2017 Number of Products under Development by Indications, H2 2017 (Contd.4), H2 2017 Number of Products under Development by Companies, H2 2017 Number of Products under Development by Companies, H2 2017 (Contd.1) Products under Development by Companies, H2 2017 Products under Development by Companies, H2 2017 (Contd.1), H2 2017 Products under Development by Companies, H2 2017 (Contd.2), H2 2017 Products under Development by Companies, H2 2017 (Contd.3), H2 2017 Products under Development by Companies, H2 2017 (Contd.4), H2 2017 Products under Development by Companies, H2 2017 (Contd.5), H2 2017 Products under Development by Companies, H2 2017 (Contd.6), H2 2017 Products under Development by Companies, H2 2017 (Contd.7), H2 2017 Products under Development by Companies, H2 2017 (Contd.8), H2 2017 Products under Development by Companies, H2 2017 (Contd.9), H2 2017 Products under Development by Companies, H2 2017 (Contd.10), H2 2017 Number of Products under Investigation by Universities/Institutes, H2 2017 Products under Investigation by Universities/Institutes, H2 2017 Number of Products by Stage and Mechanism of Actions, H2 2017 Number of Products by Stage and Route of Administration, H2 2017 Number of Products by Stage and Molecule Type, H2 2017 Pipeline by AB Science SA, H2 2017 Pipeline by Amgen Inc, H2 2017 Pipeline by Array BioPharma Inc, H2 2017 Pipeline by BCI Pharma, H2 2017 Pipeline by Bristol-Myers Squibb Co, H2 2017 Pipeline by CrystalGenomics Inc, H2 2017 Pipeline by CTI BioPharma Corp, H2 2017 Pipeline by Deciphera Pharmaceuticals LLC, H2 2017 Pipeline by Eli Lilly and Co, H2 2017 Pipeline by Elsalys Biotech SAS, H2 2017



Pipeline by F. Hoffmann-La Roche Ltd, H2 2017 Pipeline by GigaGen Inc, H2 2017 Pipeline by Hutchison MediPharma Ltd, H2 2017 Pipeline by Ignyta Inc, H2 2017 Pipeline by Nerviano Medical Sciences Srl, H2 2017 Pipeline by Novartis AG, H2 2017 Pipeline by Pfizer Inc, H2 2017 Pipeline by Plexxikon Inc, H2 2017 Pipeline by SignalChem Lifesciences Corp, H2 2017 Pipeline by Syndax Pharmaceuticals Inc, H2 2017 Dormant Products, H2 2017 Dormant Products, H2 2017 (Contd.1), H2 2017 Dormant Products, H2 2017 (Contd.2), H2 2017 Dormant Products, H2 2017 (Contd.3), H2 2017 Dormant Products, H2 2017 (Contd.4), H2 2017 Dormant Products, H2 2017 (Contd.5), H2 2017 Dormant Products, H2 2017 (Contd.6), H2 2017 Discontinued Products, H2 2017 Discontinued Products, H2 2017 (Contd.1), H2 2017 Discontinued Products, H2 2017 (Contd.2), H2 2017



# **List Of Figures**

#### LIST OF FIGURES

Number of Products under Development by Stage of Development, H2 2017 Number of Products under Development by Therapy Areas, H2 2017 Number of Products under Development by Top 10 Indications, H2 2017 Number of Products by Mechanism of Actions, H2 2017 Number of Products by Stage and Mechanism of Actions, H2 2017 Number of Products by Routes of Administration, H2 2017 Number of Products by Stage and Top 10 Routes of Administration, H2 2017 Number of Products by Molecule Types, H2 2017 Number of Products by Stage and Molecule Types, H2 2017

#### **COMPANIES MENTIONED**

**AB Science SA** Amgen Inc Array BioPharma Inc **BCI** Pharma Bristol-Myers Squibb Co CrystalGenomics Inc CTI BioPharma Corp **Deciphera Pharmaceuticals LLC** Eli Lilly and Co **Elsalys Biotech SAS** F. Hoffmann-La Roche Ltd GigaGen Inc Hutchison MediPharma Ltd Ignyta Inc Nerviano Medical Sciences Srl Novartis AG Pfizer Inc Plexxikon Inc SignalChem Lifesciences Corp Syndax Pharmaceuticals Inc



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