

# Exportin 1 - Pipeline Review, H2 2020

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## Abstracts

Exportin 1 - Pipeline Review, H2 2020

### Summary

Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) pipeline Target constitutes close to 8 molecules. The latest report Exportin 1 - Pipeline Review, H2 2020, outlays comprehensive information on the Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) - Exportin 1 (XPO1) or chromosomal maintenance 1 (CRM1) is a eukaryotic protein. It mediates the nuclear export of cellular proteins bearing a leucine-rich nuclear export signal (NES) and of RNAs. In association with RANBP3, it binds cooperatively to the NES on its target protein and to the GTPase RAN in its active Ran-GTP. Docking of this complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. It is involved in U3 snoRNA transport from Cajal bodies to nucleoli.

The molecules developed by companies in Pre-Registration, Phase II, Phase I, Preclinical and Discovery stages are 1, 1, 3, 2 and 1 respectively. Report covers products from therapy areas Oncology, Central Nervous System, Immunology, Infectious Disease and Genetic Disorders which include indications Diffuse Large B-Cell Lymphoma, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Colorectal Cancer, Refractory Multiple Myeloma, Relapsed Multiple Myeloma, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Coronavirus Disease 2019 (COVID-19), Glioblastoma Multiforme (GBM), Metastatic Colorectal Cancer, Multiple Myeloma (Kahler Disease), Myelodysplastic Syndrome, Myelofibrosis, Non-Small Cell

Lung Cancer, Prostate Cancer, Soft Tissue Sarcoma, Systemic Lupus Erythematosus, Triple-Negative Breast Cancer (TNBC), Adenocarcinoma, Amyotrophic Lateral Sclerosis, Anaplastic Large Cell Lymphoma (ALCL), Angioimmunoblastic T-Cell Lymphoma (AITL)/Immunoblastic Lymphadenopathy, Bone Sarcoma, Breast Cancer, Burkitt Lymphoma, Cervical Cancer, Chondrosarcoma, Cytomegalovirus (HHV-5) Infections, Dedifferentiated Liposarcoma, Duchenne Muscular Dystrophy, Endometrial Cancer, Epstein-Barr Virus (HHV-4) Infections, Ewing Sarcoma, Extranodal Marginal Zone B-Cell Lymphoma (Mucosa-Associated Lymphoid Tissue or MALT-Lymphoma), Fallopian Tube Cancer, Follicular Lymphoma, Gastric Cancer, Gastroesophageal (GE) Junction Carcinomas, Gastrointestinal Stromal Tumor (GIST), Gastrointestinal Tumor, High-Grade Glioma, Human Immunodeficiency Virus (HIV) Infections (AIDS), Leiomyosarcoma, Liposarcoma, Malignant Mesothelioma, Mantle Cell Lymphoma, Melanoma, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Multiple Sclerosis, Natural Killer Cell Lymphomas, Neuroendocrine Gastroenteropancreatic Tumors (GEP-NET), Neuroendocrine Tumors, Ovarian Cancer, Peripheral T-Cell Lymphomas (PTCL), Peritoneal Cancer, Post-Polycythemia Vera Myelofibrosis (PPV-MF), Post-Transplant Lymphoproliferative Disorder, Primary Mediastinal B-Cell Lymphoma, Recurrent Glioblastoma Multiforme (GBM), Refractory Acute Myeloid Leukemia, Refractory Chronic Lymphocytic Leukemia (CLL), Relapsed Acute Myeloid Leukemia, Relapsed Chronic Lymphocytic Leukemia (CLL), Respiratory Syncytial Virus (RSV) Infections, Rheumatoid Arthritis, Small-Cell Lung Cancer, Solid Tumor, Spinal Cord Injury, Synovial Sarcoma, Thymoma (Thymic Epithelial Tumor), Traumatic Brain Injury, Unspecified Influenza Virus Infections, Urinary Tract Cancer and Waldenstrom Macroglobulinemia (Lymphoplasmacytic Lymphoma).

Furthermore, this report also reviews key players involved in Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) 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 Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1)

The report reviews Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) 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 Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) targeted therapeutics and enlists all their major and minor projects

The report assesses Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) 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 Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) 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 Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1)

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 Exportin 1 (Chromosome Region Maintenance 1 Protein Homolog or XPO1) 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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Avalyn Pharma Inc

Boehringer Ingelheim International GmbH

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Prous Institute for Biomedical Research SA

TopiVert Ltd

Turning Point Therapeutics Inc

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### COMPANIES MENTIONED

Biogen Inc

CanBas Co Ltd

Jiangsu Carephar Pharmaceutical Co Ltd

Karyopharm Therapeutics Inc

Oita University Institute of Advanced Medicine Inc



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