

# Poly [ADP Ribose] Polymerase 2 - Pipeline Review, H2 2019

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## Abstracts

Poly [ADP Ribose] Polymerase 2 - Pipeline Review, H2 2019

### SUMMARY

Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) pipeline Target constitutes close to 19 molecules. Out of which approximately 17 molecules are developed by companies and remaining by the universities/institutes. The latest report Poly [ADP Ribose] Polymerase 2 - Pipeline Review, H2 2019, outlays comprehensive information on the Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) - Poly [ADP-ribose] polymerase 2 is an enzyme encoded by the PARP2 gene. It is involved in the base excision repair (BER) pathway, by catalyzing the poly (ADP-ribosylation) of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in signaling pathway leading to the reparation of DNA strand breaks. The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I and Preclinical stages are 2, 5, 3, 5 and 2 respectively.

Similarly, the universities portfolio in Preclinical stages comprises 2 molecules,

respectively. Report covers products from therapy areas Oncology which include indications Ovarian Cancer, Endometrial Cancer, Fallopian Tube Cancer, Solid Tumor, Triple-Negative Breast Cancer (TNBC), Breast Cancer, Peritoneal Cancer, Cervical Cancer, Epithelial Ovarian Cancer, Metastatic Breast Cancer, Prostate Cancer, Small-Cell Lung Cancer, Gastric Cancer, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Non-Small Cell Lung Cancer, Pancreatic Cancer, Adenocarcinoma Of The Gastroesophageal Junction, Bile Duct Cancer (Cholangiocarcinoma), Malignant Mesothelioma, Metastatic Pancreatic Cancer, Transitional Cell Cancer (Urothelial Cell Cancer), Diffuse Large B-Cell Lymphoma, Glioblastoma Multiforme (GBM), Metastatic Adenocarcinoma of The Pancreas, Bladder Cancer, Colorectal Cancer, Esophageal Cancer, Glioma, Head And Neck Cancer Squamous Cell Carcinoma, Leiomyosarcoma, Lung Cancer, Mantle Cell Lymphoma, Melanoma, Metastatic Biliary Tract Cancer, Metastatic Colorectal Cancer, Metastatic Renal Cell Carcinoma, Muscle Invasive Bladder Cancer (MIBC), Neuroblastoma, Non-Hodgkin Lymphoma, Oropharyngeal Cancer, Peritoneal Tumor, Renal Cell Carcinoma, Squamous Non-Small Cell Lung Cancer, Transitional Cell Carcinoma (Urothelial Cell Carcinoma), Uterine Cancer, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Acute Promyelocytic Leukemia, Anaplastic Astrocytoma, B-Cell Chronic Lymphocytic Leukemia, Biliary Tumor, Bone Sarcoma, Brenner Tumor, Chronic Lymphocytic Leukemia (CLL), Chronic Myelocytic Leukemia (CML, Chronic Myeloid Leukemia), Clear Cell Squamous Cell Carcinoma, Essential Thrombocythemia, Ewing Sarcoma, Follicular Lymphoma, Germ Cell Tumors, Germinomatous (Seminomatous) Germ Cell Tumors, Head And Neck Cancer, High-Grade Glioma, Hodgkin Lymphoma (B-Cell Hodgkin Lymphoma), Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Hormone-Sensitive Prostate Cancer, Intestinal Cancer, Kidney Cancer (Renal Cell Cancer), Laryngeal Cancer, Liposarcoma, Low-Grade Glioma, Marginal Zone B-cell Lymphoma, Metastatic Melanoma, Metastatic Ovarian Cancer, Metastatic Transitional (Urothelial) Tract Cancer, Myelofibrosis, Myeloproliferative Disorders, Natural Killer Cell Lymphomas, Neuroendocrine Tumors, Nongerminomatous (Nonseminomatous) Germ Cell Tumors, Pancreatic Ductal Adenocarcinoma, Peripheral Nerve Sheath Tumor (Neurofibrosarcoma), Polycythemia Vera, Rectal Cancer, Recurrent Glioblastoma Multiforme (GBM), Refractory Acute Myeloid Leukemia, Relapsed Acute Myeloid Leukemia, Sarcomas, Soft Tissue Sarcoma, T-Cell Lymphomas, Testicular Cancer, Ureter Cancer, Urethral Cancer and Uveal Melanoma.

Furthermore, this report also reviews key players involved in Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP

Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) targeted therapeutics development with respective active and dormant or discontinued projects.

## SCOPE

The report provides a snapshot of the global therapeutic landscape for Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30)

The report reviews Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) 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 Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) targeted therapeutics and enlists all their major and minor projects

The report assesses Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) 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 Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30)

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 Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30)

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 Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC 2.4.2.30) 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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AstraZeneca Plc

BeiGene Ltd

Clovis Oncology Inc

Convalife

GlaxoSmithKline Plc

Hubei Bio-Pharmaceutical Industrial Technological Institute Inc

Ildong Pharmaceutical Co Ltd

Jeil Pharmaceutical Co Ltd

Jiangsu Hengrui Medicine Co Ltd

Oncology Venture U.S. Inc

Shanghai Acebright Pharmaceuticals Group Co Ltd

Shanghai De Novo Pharmatech Co Ltd

Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC

2.4.2.30) - Drug Profiles

2X-121 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

ABT-767 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AZ-0108 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Poly [ADP Ribose] Polymerase 2 (ADP Ribosyltransferase Diphtheria Toxin Like 2 or NAD(+) ADP Ribosyltransferase 2 or Poly[ADP Ribose] Synthase 2 or PARP2 or EC

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### COMPANIES MENTIONED

AbbVie Inc  
AstraZeneca Plc  
BeiGene Ltd  
Clovis Oncology Inc  
Convalife  
GlaxoSmithKline Plc  
Hubei Bio-Pharmaceutical Industrial Technological Institute Inc  
Ildong Pharmaceutical Co Ltd  
Jeil Pharmaceutical Co Ltd  
Jiangsu Hengrui Medicine Co Ltd  
Oncology Venture U.S. Inc  
Shanghai Acebright Pharmaceuticals Group Co Ltd  
Shanghai De Novo Pharmatech Co Ltd

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