

Poly(ADP-ribose) polymerase inhibitors - Pipeline Insight, 2022

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Abstracts

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DelveInsight's, "Poly(ADP-ribose) polymerase inhibitors - Pipeline Insight, 2022" report provides comprehensive insights about 20+ companies and 20+ pipeline drugs in Poly(ADP-ribose) polymerase inhibitors pipeline landscape. It covers the pipeline drug profiles, including clinical and nonclinical stage products. It also covers the therapeutics assessment by product type, stage, route of administration, and molecule type. It further highlights the inactive pipeline products in this space.

Geography Covered

Global coverage

Poly(ADP-ribose) polymerase inhibitors Understanding

Poly(ADP-ribose) polymerase inhibitors: Overview

Poly (ADP-ribose) polymerase inhibitors, which are often called PARP inhibitors, are targeted therapies that are used to treat cancer. PARP is a protein that has a role in cellular growth, regulation and cell repair which helps the cancer cells repair themselves and survive. The PARP inhibitor stops the cancer cells being repaired which causes the cells to die and so reduces tumor growth. In cancers where the tumor suppressor gene is faulty the cancer cells are repaired only by PARP. The PARP repair is incomplete which means the cancer cells DNA is repaired to a point where it just has a small amount of damage and the cancer cells are able to grow and divide. If the PARP

did not repair the DNA then the cancer cells would have too much damage in its DNA so would trigger its own death. The PARP inhibitors act to stop the cancer cells DNA being repaired by PARP, so the damaged DNA stays at the critical level that causes cell to trigger its own death and therefore inhibits the growth of the tumor.

Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence Poly(ADP-ribose) polymerase inhibitors R&D. The therapies under development are focused on novel approaches for Poly(ADP-ribose) polymerase inhibitors.

Poly(ADP-ribose) polymerase inhibitors Emerging Drugs Chapters

This segment of the Poly(ADP-ribose) polymerase inhibitors report encloses its detailed analysis of various drugs in different stages of clinical development, including phase III, II, I, preclinical and Discovery. It also helps to understand clinical trial details, expressive pharmacological action, agreements and collaborations, and the latest news and press releases.

Poly(ADP-ribose) polymerase inhibitors Emerging Drugs

Talazoparib: Pfizer

Talazoparib is an investigational anticancer drug called a PARP (poly ADP ribose polymerase) inhibitor, which is being evaluated in breast cancer patients with germline BRCA (gBRCA) mutations, as well as other cancer types with deficiencies in DNA damage repair (DDR). Talazoparib has not been approved by any Regulatory Authorities for the treatment of any disease. As a dual-mechanism PARP inhibitor, talazoparib is believed to both inhibit and trap the PARP enzyme, which may lead to heightened cell death

Niraparib: Janssen

Niraparib is an orally-administered selective PARP inhibitor that is currently being studied by Janssen for the treatment of patients with prostate cancer. In April 2016,

Janssen entered a worldwide (except Japan) collaboration and license agreement with TESARO, Inc., for exclusive rights to niraparib in prostate cancer. In the U.S., niraparib is indicated for the maintenance treatment of adult patients with recurrent epithelial ovarian, fallopian tube, or primary peritoneal cancer who are in a complete or partial response to platinum-based chemotherapy. Niraparib is currently marketed as ZEJULA® by TESARO, an oncology-focused business within GSK, devoted to providing transformative therapies to people facing cancer.

Further product details are provided in the report.....

Poly(ADP-ribose) polymerase inhibitors: Therapeutic Assessment

This segment of the report provides insights about the different Poly(ADP-ribose) polymerase inhibitors drugs segregated based on following parameters that define the scope of the report, such as:

Major Players working on Poly(ADP-ribose) polymerase inhibitors

There are approx. 20+ key companies which are developing the Poly(ADP-ribose) polymerase inhibitors. The companies which have their Poly(ADP-ribose) polymerase inhibitors drug candidates in the most advanced stage, i.e. Phase III include, Pfizer.

Phases

DelveInsight's report covers around 20+ products under different phases of clinical development like

Late-stage products (Phase III and

Mid-stage products (Phase II and

Early-stage products (Phase I/II and Phase I) along with the details of

Pre-clinical and Discovery stage candidates

Discontinued & Inactive candidates

Route of Administration

Poly(ADP-ribose) polymerase inhibitors pipeline report provides the therapeutic assessment of the pipeline drugs by the Route of Administration. Products have been categorized under various ROAs such as

Infusion

Intradermal

Intramuscular

Intranasal

Intravaginal

Oral

Parenteral

Subcutaneous

Topical

Molecule Type

Products have been categorized under various Molecule types such as

Vaccines

Monoclonal Antibody

Peptides

Polymer

Small molecule

Product Type

Drugs have been categorized under various product types like Mono, Combination and Mono/Combination.

Poly(ADP-ribose) polymerase inhibitors: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase III, II, I, preclinical and discovery stage. It also analyses Poly(ADP-ribose) polymerase inhibitors therapeutic drugs key players involved in developing key drugs.

Pipeline Development Activities

The report covers the detailed information of collaborations, acquisition and merger, licensing along with a thorough therapeutic assessment of emerging Poly(ADP-ribose) polymerase inhibitors drugs.

Poly(ADP-ribose) polymerase inhibitors Report Insights

Poly(ADP-ribose) polymerase inhibitors Pipeline Analysis

Therapeutic Assessment

Unmet Needs

Impact of Drugs

Poly(ADP-ribose) polymerase inhibitors Report Assessment

Pipeline Product Profiles

Therapeutic Assessment

Pipeline Assessment

Inactive drugs assessment

Unmet Needs

Key Questions

Current Scenario and Emerging Therapies:

How many companies are developing Poly(ADP-ribose) polymerase inhibitors drugs?

How many Poly(ADP-ribose) polymerase inhibitors drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for the treatment of Poly(ADP-ribose) polymerase inhibitors?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the Poly(ADP-ribose) polymerase inhibitors therapeutics?

What are the recent trends, drug types and novel technologies developed to overcome the limitation of existing therapies?

What are the clinical studies going on for Poly(ADP-ribose) polymerase inhibitors and their status?

What are the key designations that have been granted to the emerging drugs?

Key Players

Pfizer

Janssen

Jiangsu HengRui Medicine

Jeil Pharmaceutical

Rhizen Pharmaceuticals

Rakovina Therapeutics

Ribon Therapeutics

Cybrexa Therapeutics

Waverley Pharma

Idience

IMPACT Therapeutics

Cephalon

Shanghai De Novo Pharmatech

Clovis Oncology

BeiGene

Abbvie

AstraZeneca

NanoGhost

Allarity Therapeutics

Key Products

Talazoparib

Niraparib

Fluzoparib

Olaparib

Veliparib

Amelparib

RP 12146

CK 102

2X-121

Pamiparib

NG 1002

SC 10914

Rucaparib

Research programme: kt 2000 PARP inhibitors

Research programme: monoPARP inhibitors

CBX 11

Senaparib

Venadaparib

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Assessment by Route of Administration

Assessment by Stage and Route of Administration

Assessment by Molecule Type

Assessment by Stage and Molecule Type

Poly(ADP-ribose) polymerase inhibitors – DelveInsight's Analytical Perspective

Late Stage Products (Phase III)

Comparative Analysis

Talazoparib: Pfizer

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Mid Stage Products (Phase II)

Comparative Analysis

SC 10914: Shanghai De Novo Pharmatech

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Early Stage Products (Phase I/II)

Comparative Analysis

CK 102: Cephalon

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Pre-clinical and Discovery Stage Products

Comparative Analysis
CBX 11: Cybrexa Therapeutics
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