

# P53 Antigen Modulators - Pipeline Insight, 2022

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## Abstracts

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DelveInsight's, "P53 Antigen Modulators - Pipeline Insight, 2022" report provides comprehensive insights about 7+ companies and 8+ pipeline drugs in P53 Antigen Modulators 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

### P53 Antigen Modulators Understanding

#### P53 Antigen Modulators: Overview

p53 is an important tumor-suppressor protein that is altered in most cancers. The p53 protein acts as a pivotal suppressor of inappropriate cell proliferation. By initiating suppressive effects through induction of apoptosis, cell senescence, or transient cell-cycle arrest, p53 plays an important role in cancer suppression, developmental regulation, and aging. Loss or mutation of p53 in the tumor has been shown to modulate immune recognition through mechanisms such as decreased MHC-I presentation and increased recruitment of suppressive myeloid cells and Tregs. However, p53 also has a crucial role in the stromal compartment, where it can play diverse roles in inhibiting or supporting tumor development. A number of p53 modulators, consisting of synthetic peptides, organic compounds, and natural products, have been identified that directly or

indirectly restore p53 functions and reverse progression of preneoplastic lesions and uncontrolled tumor growth. The mechanism(s) of action of these p53 modulators is being extensively investigated.

## Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence P53 Antigen Modulators R&D. The therapies under development are focused on novel approaches for P53 Antigen Modulators.

## P53 Antigen Modulators Emerging Drugs Chapters

This segment of the P53 Antigen Modulators 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.

## P53 Antigen Modulators Emerging Drugs

### Eprenetapopt: Aprea

Eprenetapopt, also known as APR-246, is an investigational, first-in-class mutant p53 reactivator. Eprenetapopt has received Breakthrough Therapy, Orphan Drug and Fast Track designations from the FDA for MDS, and Orphan Drug designation from the European Commission for MDS, AML and ovarian cancer. The drug is in Phase III clinical studies for the treatment of myelodysplastic syndromes; in Phase II clinical studies to treat acute myeloid leukemia; and in Phase I clinical studies to treat chronic lymphocytic leukemia, mantle-cell lymphoma, non-small cell lung cancer, gastric cancer, and bladder cancer.

### Pidnarulex: Senhwa Biosciences

Pidnarulex (CX-5461) is a first-in-class small molecule inhibitor of RNA polymerase I (Pol I) that triggers the nucleolar stress surveillance pathways to activate p53, without

causing direct DNA damage. It is a synthetically derived small molecule, is supplied as a lyophilized drug with intravenous (IV) administration. The drug is in Phase II clinical studies for the treatment of breast cancer, ovarian cancer; and in Phase I clinical studies to treat hematological malignancies and prostate cancer.

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

## P53 Antigen Modulators: Therapeutic Assessment

This segment of the report provides insights about the different P53 Antigen Modulators drugs segregated based on following parameters that define the scope of the report, such as:

### Major Players working on P53 Antigen Modulators

There are approx. 7+ key companies which are developing the P53 Antigen Modulators. The companies which have their P53 Antigen Modulators drug candidates in the most advanced stage, i.e. Phase III include, Aprea.

### Phases

DelveInsight's report covers around 8+ 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

P53 Antigen Modulators 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.

### P53 Antigen Modulators: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase III, II, I, preclinical and discovery stage. It also analyses P53 Antigen Modulators 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 P53 Antigen Modulators drugs.

### P53 Antigen Modulators Report Insights

- P53 Antigen Modulators Pipeline Analysis

- Therapeutic Assessment

- Unmet Needs

- Impact of Drugs

### P53 Antigen Modulators 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 P53 Antigen Modulators drugs?

How many P53 Antigen Modulators drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for P53 Antigen Modulators?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the P53 Antigen Modulators 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 P53 Antigen Modulators and their status?

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

## Key Players

Aprea

Quark-Pharmaceuticals

Shenzhen SiBiono GeneTech

H. Lee Moffitt Cancer Center and Research Institute

Statera BioPharma

Senhwa Biosciences

PMV Pharmaceuticals

## Key Products

Eprenetapopt

Teprasiran

p53 gene therapy

INGN 225

APR-548

CBL 137

Pidnarulex

Research programme: small molecule therapeutics

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Drug profiles in the detailed report.....

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Pidnarulex: Senhwa Biosciences

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

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Comparative Analysis



APR-548: Aprea

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Pre-clinical and Discovery Stage Products

Comparative Analysis

Drug name: Company name

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

Inactive Products

Comparative Analysis

P53 Antigen Modulators Key Companies

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