

# Retinoic Acid Receptor Beta - Pipeline Review, H2 2019

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# **Abstracts**

Retinoic Acid Receptor Beta - Pipeline Review, H2 2019

#### **SUMMARY**

According to the recently published report 'Retinoic Acid Receptor Beta - Pipeline Review, H2 2019'; Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) pipeline Target constitutes close to 16 molecules. Out of which approximately 15 molecules are developed by companies and remaining by the universities/institutes.

Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) - Retinoic acid receptor beta (RARB) is a nuclear receptor that is encoded by the RARB gene. RARB bind as heterodimers to the target response elements in response to their ligands (all-trans or 9-cis retinoic acid) and gene expression in various biological processes. In the absence or presence of hormone ligand, acts mainly as anregulate activator of gene expression due to weak binding to co-repressors. It is required for skeletal growth, matrix homeostasis and growth plate functions.

The report 'Retinoic Acid Receptor Beta - Pipeline Review, H2 2019' outlays comprehensive information on the Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) 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 Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Pre-Registration, Phase III, Phase II, Preclinical and Discovery stages are 2, 6, 2, 4 and 1 respectively. Similarly, the universities portfolio in Phase I stages comprises 1 molecules, respectively. Report covers products from therapy areas Dermatology, Gastrointestinal, Respiratory, Central Nervous System, Hematological Disorders, Immunology, Metabolic Disorders, Oncology and Ophthalmology which include indications Acne Vulgaris, Bronchopulmonary Dysplasia, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Acute Promyelocytic Leukemia, Breast Cancer, Germ Cell Tumors, Hyperlipidemia, Inflammatory Bowel Disease, Myelodysplastic Syndrome, Neuroblastoma, Neutropenia, Non Alcoholic Fatty Liver Disease (NAFLD), Non-Alcoholic Steatohepatitis (NASH), Psoriasis, Refractory Acute Myeloid Leukemia, Relapsed Acute Myeloid Leukemia, Retinopathy Of Prematurity, Sarcomas, Spinal Cord Injury, Traumatic Nerve Injury and Type 2 Diabetes.

**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 Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB)

The report reviews Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) 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 Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) targeted therapeutics and enlists all their major and minor projects

The report assesses Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) 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 Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) 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 Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB)

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 Retinoic Acid Receptor Beta (RAR Beta or HBV Activated Protein or Nuclear Receptor Subfamily 1 Group B Member 2 or RAR Epsilon or NR1B2 or RARB) 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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Advent Therapeutics Inc

Bausch Health Companies Inc

Lee's Pharmaceutical Holdings Ltd

Orphanix GmbH

Ortho Dermatologics Inc

Phosphagenics Ltd

Promius Pharma LLC

Sol-Gel Technologies Ltd

Sunny BioDiscovery Inc

Sveikatal Inc

TherapyX Inc

Toko Pharmaceutical Industries Co Ltd

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**Product Description** 

Mechanism Of Action

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(benzoyl peroxide + tretinoin) - Drug Profile

**Product Description** 

Mechanism Of Action

R&D Progress

(benzoyl peroxide + tretinoin) - Drug Profile

**Product Description** 

Mechanism Of Action

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Mechanism Of Action

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**R&D Progress** 

tretinoin - Drug Profile

**Product Description** 

Mechanism Of Action

**R&D Progress** 

vitamin A palmitate - Drug Profile

**Product Description** 

Mechanism Of Action

**R&D Progress** 

vitamin A palmitate - Drug Profile

**Product Description** 

Mechanism Of Action

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**Development Milestones** 

Featured News & Press Releases

Oct 24, 2019: Syros Announces new data from phase 2 trial of SY-1425 in combination



with azacitidine demonstrating high response rates, rapid onset of action and favorable tolerability profile in RARA-Positive Newly Diagnosed Unfit AML Patients

Oct 15, 2019: Bausch Health's Ortho Dermatologics business to present data on tazarotene at The Fall Clinical Dermatology Conference

Oct 15, 2019: Bausch Health's Ortho Dermatologics business to present data on acne drug tretinoin at The Fall Clinical Dermatology Conference

Aug 07, 2019: Ortho Dermatologics announces U.S. FDA filing acceptance for IDP-123 treatment for Acne Vulgaris in lotion form

Aug 01, 2019: Syros highlights key accomplishments and provides milestone update on SY-1425

Jul 09, 2019: GSK's Alitoc becoming salvation treatment for chronic hand eczema patients

Apr 15, 2019: Sol-Gel Technologies announces 50% enrollment in pivotal phase III TWIN Program for the treatment of Acne Vulgaris

Jan 06, 2019: Syros provides update on its acute myeloid leukemia drug candidate SY-1425

Dec 17, 2018: Sol-Gel Technologies initiates pivotal phase III clinical program of TWIN for the treatment of acne vulgaris

Dec 02, 2018: Syros announces promising clinical data from ongoing phase 2 trial of SY-1425 in genomically defined AML and MDS patients at ASH Annual Meeting Nov 01, 2018: Syros to present initial clinical data from combination cohorts in its ongoing phase 2 Trial of SY-1425 at ASH annual meeting

Oct 30, 2018: Bausch Health launches ALTRENO (tretinoin) Lotion, 0.05% in the United States

Oct 15, 2018: Bausch Health's ortho dermatologics business to present on ALTRENO During The Fall Clinical Dermatology Conference

Oct 11, 2018: Bausch Health announces publication of pivotal phase 3 efficacy and safety data on ALTRENO (tretinoin) Lotion, 0.05%, in the journal of drugs in dermatology

Sep 04, 2018: Sol-Gel Technologies provides program update for TWIN for the treatment of acne vulgaris

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Pipeline by Bausch Health Companies Inc, H2 2019

Pipeline by Lee's Pharmaceutical Holdings Ltd, H2 2019

Pipeline by Orphanix GmbH, H2 2019

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Number of Products by Stage and Molecule Types, H2 2019

#### **COMPANIES MENTIONED**

3SBio Inc

Advent Therapeutics Inc

Bausch Health Companies Inc

Lee's Pharmaceutical Holdings Ltd

Orphanix GmbH

Ortho Dermatologics Inc

Phosphagenics Ltd

Promius Pharma LLC

Sol-Gel Technologies Ltd

Sunny BioDiscovery Inc

Sveikatal Inc

TherapyX Inc

Toko Pharmaceutical Industries Co Ltd



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