

# Retinoic Acid Receptor Gamma - Pipeline Review, H2 2019

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## **Abstracts**

Retinoic Acid Receptor Gamma - Pipeline Review, H2 2019

## **SUMMARY**

Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) pipeline Target constitutes close to 19 molecules. Out of which approximately 19 molecules are developed by Companies. The latest report Retinoic Acid Receptor Gamma - Pipeline Review, H2 2019, outlays comprehensive information on the Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) - Retinoic acid receptor gamma (RARG) is a nuclear receptor that is encoded by the RARG gene. RARG bind as heterodimers to the target response elements in response to their ligands (all-trans or 9-cis retinoic acid) and regulate gene expression in various biological processes. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to co-repressors. It is required for limb bud development.

The molecules developed by companies in Pre-Registration, Phase III, Phase II, Preclinical and Discovery stages are 1, 8, 2, 7 and 1 respectively. Report covers products from therapy areas Dermatology, Musculoskeletal Disorders, Oncology, Ophthalmology, Respiratory, Gastrointestinal, Genetic Disorders and Immunology which include indications Acne Vulgaris, Bronchopulmonary Dysplasia, Allergies, Autoimmune



Disorders, Congenital Ichthyosis, Esophageal Cancer, Fibrodysplasia
Ossificans Progressiva (Myositis Ossificans Progressiva), Fibrosis, Gorlin Syndrome
(Basal Cell Nevus Syndrome/Nevoid Basal Cell Carcinoma Syndrome), Head And Neck
Cancer, Inflammatory Bowel Disease, Keratoconjunctivitis Sicca (Dry Eye), Multiple
Hereditary Exostoses, Retinopathy Of Prematurity and Spondyloarthritis
(Spondyloarthropathy).

Furthermore, this report also reviews key players involved in Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) 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 Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG)

The report reviews Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) 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 Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or



RARG) targeted therapeutics and enlists all their major and minor projects

The report assesses Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) 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 Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) 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 Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG)

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 Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group B Member 3 or NR1B3 or RARG) 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

Boehringer Ingelheim International GmbH

Galderma SA

Ipsen SA

Lee's Pharmaceutical Holdings Ltd

Orphanix GmbH

Ortho Dermatologics Inc

Phosphagenics Ltd

Promius Pharma LLC

Sol-Gel Technologies Ltd

Sveikatal Inc

TherapyX Inc

Retinoic Acid Receptor Gamma (RAR Gamma or Nuclear Receptor Subfamily 1 Group

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(adapalene + benzoyl peroxide + clindamycin phosphate) - Drug Profile

**Product Description** 

Mechanism Of Action

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(adapalene + clindamycin hydrochloride) - Drug Profile

**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** 

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**Product Description** 

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Mechanism Of Action

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tazarotene - Drug Profile

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vitamin A palmitate - Drug Profile

**Product Description** 

Mechanism Of Action



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Featured News & Press Releases

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

Oct 04, 2019: Galderma receives FDA approval for AKLIEF (trifarotene) cream, 0.005%, the first new retinoid molecule for the treatment of Acne in over 20 years

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

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

Feb 28, 2019: Galderma Announces Publication of Pivotal Phase 3 PERFECT 1 and PERFECT 2 Clinical Trials of Trifarotene in Patients with Moderate Facial and Truncal Acne in the Journal of the American Academy of Dermatology

Feb 11, 2019: Clementia granted Rare Pediatric Disease Designation by FDA for Palovarotene for Fibrodysplasia Ossificans Progressiva

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

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

Oct 23, 2018: Clementia announces plan to submit a new drug application for Palovarotene for the treatment of FOP based on positive phase 2 results

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

Oct 02, 2018: Clementia initiates phase 1 clinical trial of palovarotene eye drop formulation in healthy volunteers

Sep 26, 2018: Clementia announces updated phase 2 part B data on Palovarotene for



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Pipeline by Advent Therapeutics Inc, H2 2019

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Pipeline by Boehringer Ingelheim International GmbH, H2 2019

Pipeline by Galderma SA, H2 2019

Pipeline by Ipsen SA, H2 2019

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Pipeline by Phosphagenics Ltd, 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

Boehringer Ingelheim International GmbH

Galderma SA

Ipsen SA

Lee's Pharmaceutical Holdings Ltd

Orphanix GmbH

Ortho Dermatologics Inc

Phosphagenics Ltd

Promius Pharma LLC

Sol-Gel Technologies Ltd

Sveikatal Inc

TherapyX Inc



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