

# Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) - Pipeline Review, H2 2018

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## Abstracts

Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) - Pipeline Review, H2 2018

### SUMMARY

Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) - Prostaglandin E2 receptor 4 (EP4) is a prostaglandin receptor encoded by the PTGER4 gene. The activity of the receptor is mediated by G proteins that stimulate adenylate cyclase. It has a relaxing effect on smooth muscle. It plays an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) pipeline Target constitutes close to 11 molecules. Out of which approximately 10 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase II, Phase I and Preclinical stages are 4, 1 and 5 respectively. Similarly, the universities portfolio in Discovery stages comprises 1 molecules, respectively.

Report covers products from therapy areas Oncology, Central Nervous System, Immunology, Gastrointestinal, Metabolic Disorders, Respiratory and Women's Health which include indications Lung Cancer, Autoimmune Disorders, Breast Cancer, Colon Cancer, Inflammatory Pain, Liver Cancer, Pain, Prostate Cancer, Allergies, Chronic Obstructive Pulmonary Disease (COPD), Endometriosis, Gastric Cancer, Gastrointestinal Tract Cancer, Osteoarthritis Pain, Osteoporosis, Post-Operative Pain,

Rectal Cancer, Rheumatoid Arthritis, Solid Tumor and Ulcerative Colitis.

The latest report Prostaglandin E2 Receptor EP4 Subtype - Pipeline Review, H2 2018, outlays comprehensive information on the Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type. It also reviews key players involved in Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) targeted therapeutics development with respective active and dormant or discontinued projects.

The report is built using 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 Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4)

The report reviews Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) 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 Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) targeted therapeutics and enlists all their major and minor projects

The report assesses Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) 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 Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) 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 Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4)

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 Prostaglandin E2 Receptor EP4 Subtype (Prostanoid EP4 Receptor or PTGER4) 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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Eli Lilly and Co

GlaxoSmithKline Plc

Kaken Pharmaceutical Co Ltd

Ono Pharmaceutical Co Ltd

RaQualia Pharma Inc

Rottapharm Biotech Srl

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Featured News & Press Releases

Jul 19, 2018: Investigational New Drug (IND) Application for EP4 antagonist AAT-007 for Oncology Is Approved in China

Apr 17, 2018: Japan Patent Office Granted AskAt a Cartilage Disease Use Patent of EP4 Antagonist

Jan 22, 2018: Investigational New Drug (IND) Application for EP4 antagonist AAT-007 for Oncology Filed in China

Dec 18, 2017: Investigational new drug application for EP4 antagonist AAT-007 was approved by the National Food and Drug Administration of the People's Republic of China

Sep 01, 2017: Autoimmune disease Use Patent for EP4 antagonist Approved in Korea

Sep 01, 2017: Eisai to Present Abstract on E7046 at ESMO 2017 Congress

Sep 01, 2017: Eisai to Present Abstract on its Oncology Product Candidate E7046 at the ESMO 2017 Congress

Jun 30, 2017: India Patent Office Granted AskAt a Substance Patent of EP4 antagonist(AAT-007)

Apr 25, 2017: Autoimmune disease Use Patent for EP4 antagonist Approved in Japan

Mar 30, 2017: Treatment of Cancer Use Patent for EP4 antagonist Approved in US

Aug 17, 2016: Treatment of Cancer Use Patent for EP4 antagonist Approved in China

Jun 03, 2016: Autoimmune disease Use Patent for EP4 antagonist Approved in Mexico

May 31, 2016: Autoimmune disease Use Patent for EP4 antagonist Approved in US

Apr 19, 2016: Autoimmune disease Use Patent for EP4 antagonist Approved in EU

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### COMPANIES MENTIONED

Eisai Co Ltd

Eli Lilly and Co

GlaxoSmithKline Plc

Kaken Pharmaceutical Co Ltd

Ono Pharmaceutical Co Ltd

RaQualia Pharma Inc

Rottapharm Biotech Srl

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