

# Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) - Pipeline Review, H1 2018

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## Abstracts

Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) - Pipeline Review, H1 2018

### SUMMARY

According to the recently published report 'Estrogen Receptor - Pipeline Review, H1 2018'; Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) pipeline Target constitutes close to 22 molecules. Out of which approximately 17 molecules are developed by companies and remaining by the universities/institutes.

Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) - Estrogen receptor alpha (ERA) is a nuclear receptor that is activated by the sex hormone estrogen. It is encoded by the gene ESR1. It is involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis.

It decreases NF-kappa-B DNA-binding activity and inhibits NF-kappa-B-mediated transcription from the IL6 promoter and displaces RELA/p65 and associated co-regulators from the promoter. It recruited to the NF-kappa-B response element of the CCL2 and IL8 promoters and can displace CREBBP.

The report 'Estrogen Receptor - Pipeline Review, H1 2018' outlays comprehensive information on the Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) 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 Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 6, 4, 2, 4 and 1 respectively.

Similarly, the universities portfolio in Phase II, Preclinical and Discovery stages comprises 1, 2 and 2 molecules, respectively. Report covers products from therapy areas Oncology, Women's Health, Central Nervous System, Dermatology, Male Health and Metabolic Disorders which include indications Breast Cancer, Metastatic Breast Cancer, Hormone Sensitive Breast Cancer, Endometriosis, Vasomotor Symptoms of Menopause (Hot Flashes), Bipolar Disorder (Manic Depression), Demyelinating Diseases, Ductal Carcinoma In Situ, Encephalopathy, Female Contraception, Male Hypogonadism, Multiple Sclerosis, Neurology, Osteoporosis, Prostate Cancer, Vaginal Atrophy (Atrophic Vaginitis) and Vulvar Atrophy.

**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 Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1)

The report reviews Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) 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 Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) targeted therapeutics and enlists all their major and minor projects

The report assesses Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) 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 Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) 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 Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1)

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 Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) 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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Development

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AstraZeneca Plc

Atossa Genetics Inc

Eagle Pharmaceuticals Inc

Endece LLC

EndoCeutics Inc

H3 Biomedicine Inc

Mithra Pharmaceuticals SA

Novartis AG

Nuevolution AB

Shenogen Pharma Group Ltd

Estrogen Receptor (ER Alpha or Estradiol Receptor or Nuclear Receptor Subfamily 3 Group A Member 1 or NR3A1 or ESR1) - Drug Profiles

(drospirenone + estetrol) - Drug Profile

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Mechanism Of Action

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acolbifene hydrochloride - Drug Profile

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Libidua - Drug Profile

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Loseasonique - Drug Profile

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NDC-1308 - Drug Profile

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Small Molecules to Antagonize ER Alpha for Breast Cancer - Drug Profile

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Small Molecules to Antagonize ER-Alpha for Breast Cancer - Drug Profile

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Featured News & Press Releases

Feb 08, 2018: Mithra Announces Very Promising Hemostasis Results for Estelle

Jan 25, 2018: Mithra Announces Last Subject Completes Donesta Phase II Study

Dec 20, 2017: Arvinas Nominates Oral Clinical Candidate for Estrogen Receptor Degradation Program

Dec 11, 2017: AstraZeneca's Faslodex Rejected For Use Within NHS Scotland

Dec 08, 2017: Arvinas Presents New Data on Oral Estrogen Receptor PROTAC Degradation at 2017 San Antonio Breast Cancer Symposium

Dec 07, 2017: Eagle Pharmaceuticals Commences Pivotal Study for Fulvestrant

Dec 06, 2017: H3 Biomedicine Presents Preclinical Data on Novel ERα Antagonist at San Antonio Breast Cancer Symposium

Nov 30, 2017: Mithra Provides Update On DONESTA Study

Nov 30, 2017: Mithra Provides Update On Estelle Study

Nov 15, 2017: Faslodex receives US FDA approval for the treatment of advanced breast cancer in combination with abemaciclib

Nov 14, 2017: Faslodex (Fulvestrant) Receives EU Approval for the Treatment of Hormone Receptor-Positive Advanced Breast Cancer in Combination with Palbociclib

Oct 30, 2017: Mithra Completes Recruitment for Estelle Phase III Study in US & Canada

Oct 30, 2017: Mithra Completes Recruitment for Estelle Phase III Study in US and Canada

Oct 13, 2017: Faslodex (Fulvestrant) Receives Positive CHMP Opinion For The Treatment Of Hormone Receptor-Positive Advanced Breast Cancer In Combination



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Oct 13, 2017: Mithra Announces Completion of Recruitment in Donesta Phase II Study

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Number of Products by Stage and Molecule Types, H1 2018

### COMPANIES MENTIONED

Arvinas Inc

AstraZeneca Plc

Atossa Genetics Inc

Eagle Pharmaceuticals Inc

Endece LLC

EndoCeutics Inc

H3 Biomedicine Inc

Mithra Pharmaceuticals SA

Novartis AG

Nuevolution AB

Shenogen Pharma Group Ltd

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