

# E3 Ubiquitin Protein Ligase XIAP - Pipeline Review, H1 2019

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## **Abstracts**

E3 Ubiquitin Protein Ligase XIAP - Pipeline Review, H1 2019

#### **SUMMARY**

According to the recently published report 'E3 Ubiquitin Protein Ligase XIAP - Pipeline Review, H1 2019'; E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) pipeline Target constitutes close to 9 molecules. Out of which approximately 7 molecules are developed by companies and remaining by the universities/institutes.

E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) - E3 Ubiquitin-Protein Ligase X-linked inhibitor of apoptosis protein (XIAP) also known as inhibitor of apoptosis protein 3 (IAP3) and baculoviral IAP repeat-containing protein 4 (BIRC4) is a protein that stops apoptotic cell death. It modulates inflammatory signaling and immunity, copper homeostasis, mitogenic kinase signaling, cell proliferation, as well as cell invasion and metastasis. It acts as a direct caspase inhibitor. Directly bind to the active site pocket of CASP3 and CASP7 and obstructs substrate entry. It inactivates CASP9 by keeping it in inactive state. It regulates the BMP signaling pathway and the SMAD and MAP3K7/TAK1 dependent pathways leading to NF-kappa-B and JNK activation. It acts as an important regulator of innate immune signaling via regulation of Nodlike receptors (NLRs).

The report 'E3 Ubiquitin Protein Ligase XIAP - Pipeline Review, H1 2019' outlays comprehensive information on the E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP



Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) 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 E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Phase II and Preclinical stages are 4 and 3 respectively. Similarly, the universities portfolio in Discovery stages comprises 2 molecules, respectively.

Report covers products from therapy areas Oncology which include indications Breast Cancer, Cervical Cancer, Colorectal Cancer, Head And Neck Cancer, Ovarian Cancer, Pancreatic Cancer, Small-Cell Lung Cancer, Solid Tumor, Acute Myelocytic Leukemia (AML, Acute Myeloblastic Leukemia), Colon Cancer, Cutaneous T-Cell Lymphoma, Diffuse Large B-Cell Lymphoma, Endometrial Cancer, Epithelial Ovarian Cancer, Esophageal Cancer, Fallopian Tube Cancer, Gastric Cancer, Glioblastoma Multiforme (GBM), Head And Neck Cancer Squamous Cell Carcinoma, Lung Adenocarcinoma, Lung Cancer, Malignant Mesothelioma, Melanoma, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Metastatic Pancreatic Cancer, Myelofibrosis, Non-Small Cell Lung Cancer, Pediatric Diffuse Intrinsic Pontine Glioma, Peripheral T-Cell Lymphomas (PTCL), Peritoneal Cancer, Post-Essential Thrombocythemia Myelofibrosis (Post-ET MF), Post-Polycythemia Vera Myelofibrosis (PPV-MF), Prostate Cancer, Recurrent Head And Neck Cancer Squamous Cell Carcinoma, Refractory Multiple Myeloma and Relapsed Multiple Myeloma.

**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 E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.)



The report reviews E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) 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 E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) targeted therapeutics and enlists all their major and minor projects

The report assesses E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) 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 E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) 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 E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.)

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 E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP Like Protein or Inhibitor Of Apoptosis Protein 3 or X Linked Inhibitor Of Apoptosis Protein or XIAP or EC 6.3.2.) 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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Adamed Sp zoo

Astex Pharmaceuticals Inc

Canget BioTekpharma LLC

**Novartis AG** 

Noxopharm Ltd

Takeda Pharmaceutical Co Ltd

E3 Ubiquitin Protein Ligase XIAP (Baculoviral IAP Repeat Containing Protein 4 or IAP

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**Product Description** 

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Mechanism Of Action

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Featured News & Press Releases

May 30, 2019: Noxopharm announces its DARRT-1 study fully enrolled

May 21, 2019: Debiopharm expands its immuno-oncology development program for

Debio 1143, with the first IAP inhibitor/Nivolumab combination trial

May 20, 2019: LuPIN trial demonstrates high rates of response

May 02, 2019: DARRT treatment has lasting disease control at six months

Apr 16, 2019: Idronoxil confirmed as new immuno-oncology drug

Apr 10, 2019: Veyonda chemotherapy

Apr 01, 2019: Debiopharm releases results of its oncology drug candidate Debio 1143

at the 2019 American Association for Cancer Research (AACR) Conference in Atlanta, GA

Feb 21, 2019: Noxopharm to expedite Veyonda clinical program

Feb 06, 2019: Combination of Veyonda + Radiotherapy delivers clinical benefits

Jan 14, 2019: Noxopharm: Principal Investigator discusses LuPIN-1 Study

Dec 20, 2018: NOX Receives \$3.26M Federal Govt R&D Rebate

Dec 11, 2018: Darrt-1 study advancing on basis of positive clinical data

Nov 29, 2018: NOX announces positive data from CEP-1 study of Veyonda

Nov 13, 2018: NOX to present clinical data at COSA Annual Meeting

Oct 22, 2018: Noxopharm makes key executive appointment

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#### **COMPANIES MENTIONED**

Adamed Sp zoo
Astex Pharmaceuticals Inc
Canget BioTekpharma LLC
Novartis AG
Noxopharm Ltd
Takeda Pharmaceutical Co Ltd



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