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RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) - Pipeline Review, H1 2018

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Abstracts

RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) - Pipeline Review, H1 2018

SUMMARY

RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) pipeline Target constitutes close to 11 molecules. Out of which approximately 9 molecules are developed by companies and remaining by the universities/institutes. The latest report RAC Alpha SerineThreonine Protein Kinase - Pipeline Review, H1 2018, outlays comprehensive information on the RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) - RAC-alpha serine/threonine-protein kinase is an enzyme encoded by the AKT1 gene. It regulates many processes including metabolism, proliferation, cell survival, growth and angiogenesis. This is mediated through serine or threonine phosphorylation of a range of downstream substrates.

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It regulates the storage of glucose in the form of glycogen by phosphorylating GSK3A and GSK3B resulting in inhibition of its kinase activity. It act as key modulator of the AKT-mTOR signaling pathway controlling the process of newborn neurons integration during adult neurogenesis, including correct neuron positioning, dendritic development and synapse formation. Signals downstream of phosphatidylinositol 3-kinase to mediate the effects of various growth factors such as platelet-derived growth factor (PDGF), epidermal growth factor (EGF), insulin and insulin-like growth factor I (IGF-I).

The molecules developed by companies in Phase II and Preclinical stages are 7 and 2 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 1 and 1 molecules, respectively. Report covers products from therapy areas Oncology, Cardiovascular, Hematological Disorders, Non Malignant Disorders and Other Diseases which include indications Endometrial Cancer, Breast Cancer, Non-Small Cell Lung Cancer, Melanoma, Metastatic Breast Cancer, Ovarian Cancer, Prostate Cancer, Refractory Acute Myeloid Leukemia, Refractory Multiple Myeloma, Relapsed Acute Myeloid Leukemia, Relapsed Multiple Myeloma, Adenoid Cystic Carcinoma (ACC), Anal Cancer, Cervical Cancer, Colorectal Cancer, Congenital Vascular Malformation, Fallopian Tube Cancer, Gastrointestinal Stromal Tumor (GIST), Hepatocellular Carcinoma, Lymphoma, Metastatic Colorectal Cancer, Metastatic Hormone Refractory (Castration Resistant, Androgen-Independent) Prostate Cancer, Metastatic Renal Cell Carcinoma, Multiple Hamartoma Syndrome, Neuroendocrine Cancer, Orphan Diseases, Peritoneal Cancer, Proteus Syndrome, Renal Cell Carcinoma, Sickle Cell Disease, Small-Cell Lung Cancer, Solid Tumor and Thymoma (Thymic Epithelial Tumor).

Furthermore, this report also reviews key players involved in RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) 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

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The report provides a snapshot of the global therapeutic landscape for RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1)

The report reviews RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) 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 RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) targeted therapeutics and enlists all their major and minor projects

The report assesses RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) 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 RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) targeted therapeutics

REASONS TO BUY

Gain strategically significant competitor information, analysis, and insights to formulate effective R&D strategies

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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 RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1)

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 RAC Alpha Serine/Threonine Protein Kinase (Protein kinase B or Protein kinase B Alpha or Proto Oncogene c Akt or RAC PK Alpha or AKT1 or EC 2.7.11.1) 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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Nov 01, 2017: FDA Grants Rare Pediatric Disease Designation to ArQule's Miransertib (ARQ 092) for the Treatment of Proteus Syndrome
Jun 07, 2017: ArQule Announces First Patient Dosed in Company Sponsored Phase 1/2 Trial of AKT Inhibitor, ARQ 092, for Rare Overgrowth Diseases
May 17, 2017: ArQule to Present Clinical Data on ARQ-092 at the 2017 American Society of Clinical Oncology Annual Meeting
Dec 03, 2016: Preclinical Data on Proprietary AKT Inhibitor, ARQ 092, and Demonstrating Effectiveness in the Treatment of Sickle Cell Disease Presented at the American Society of Hematology Annual Meeting
Jun 06, 2016: Rexahn Pharmaceuticals Presents Clinical Data on Archexin at the 2016 ASCO Annual Meeting
Apr 20, 2016: Rexahn Pharmaceuticals Presents Clinical Trial Results for Archexin at the 2016 American Association for Cancer Research Annual Meeting
Apr 20, 2016: Rexahn Pharmaceuticals Presents pre-Clinical Trial Data for Archexin-Nano At The 2016 American Association For Cancer Research Annual Meeting
Feb 08, 2016: Rexahn Pharmaceuticals Completes Stage 1 and Begins Enrollment in Stage 2 of Archexin Phase IIa Clinical Trial in Metastatic Renal Cell Carcinoma
Jan 28, 2016: ArQule Provides Update on ARQ
Jan 11, 2016: Rexahn Pharmaceuticals Archexin Shows Dose-Dependent Tumor Reduction in a Phase IIa Clinical Study
Nov 17, 2015: ArQule and the National Human Genome Research Institute of the National Institutes of Health Announce Enrollment of First Patient in the Phase 1 Proteus Syndrome Trial With ARQ
Nov 08, 2015: BIND Presents Data on MK-2206, at AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics
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COMPANIES MENTIONED

ArQule Inc
AstraZeneca Plc
Bayer AG
Merck & Co Inc
Novartis AG
Rexahn Pharmaceuticals Inc

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