

# **Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1) - Pipeline Review, H2 2018**

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## **Abstracts**

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### **SUMMARY**

Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1) - Rho-Associated Protein Kinase 1 (ROCK1) is a protein serine/threonine kinase. It is a key regulator of actin cytoskeleton and cell polarity. It is involved in regulation of smooth muscle contraction, actin cytoskeleton organization, stress fiber and focal adhesion formation, neurite retraction, cell adhesion and motility via phosphorylation of DAPK3, GFAP, LIMK1, LIMK2, MYL9/MLC2, PFN1 and PPP1R12A. It phosphorylates JIP3 and regulates the recruitment of JNK to JIP3 upon UVB-induced stress. It acts as a suppressor of inflammatory cell migration by regulating PTEN phosphorylation and stability. It acts as a negative regulator of VEGF-induced angiogenic endothelial cell activation.

Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1) pipeline Target constitutes close to 16 molecules. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 1, 1, 11 and 2 respectively. Report covers products from therapy areas Central Nervous System, Respiratory,

Immunology, Gastrointestinal, Genito Urinary System And Sex Hormones, Ophthalmology, Cardiovascular, Metabolic Disorders, Musculoskeletal Disorders, Non Malignant Disorders and Oncology which include indications Idiopathic Pulmonary Fibrosis, Glaucoma, Graft Versus Host Disease (GVHD), Kidney Fibrosis, Acute Spinal Cord Injury, Alzheimer's Disease, Cavernous Hemangioma (Cerebral Cavernous Malformation/Cerebral Cavernous Hemangioma), Chronic Kidney Disease (Chronic Renal Failure), Chronic Obstructive Pulmonary Disease (COPD), Diabetic Nephropathy, Fibrosis, Huntington Disease, Inflammation, Inflammatory Bowel Disease, Multiple Sclerosis, Neurodegenerative Diseases, Non-Alcoholic Steatohepatitis (NASH), Pain, Plaque Psoriasis (Psoriasis Vulgaris), Rheumatoid Arthritis, Solid Tumor, Stroke, Systemic Sclerosis (Scleroderma) and Traumatic Spinal Cord Injury.

The latest report Rho Associated Protein Kinase 2 - Pipeline Review, H2 2018, outlays comprehensive information on the Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 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. It also reviews key players involved in Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1) 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 Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1)

The report reviews Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 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 Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 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 Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 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

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 Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 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 Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 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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Angion Biomedica Corp

Astex Pharmaceuticals Inc

BioAxone BioSciences Inc

HitGen LTD

Kadmon Corp LLC

Redx Pharma Plc

Vertex Pharmaceuticals Inc

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Mechanism Of Action

R&D Progress

AT-13148 - Drug Profile

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Featured News & Press Releases

Aug 08, 2018: BioAxone BioSciences receives notice of allowance on patent for treatment of cerebral cavernous malformations and cerebral aneurysms with rho kinase inhibitors

Jul 10, 2018: BioAxone BioSciences Receives Notice of Allowance for Composition of Matter Patent Covering Novel ROCK2 Inhibitor

Jun 15, 2018: Kadmon Announces Updated Results of KD025 in cGVHD at EHA Congress

May 17, 2018: Kadmon Announces Oral Presentation on KD025 in cGVHD at EHA Congress

Apr 10, 2018: Kadmon Receives FDA Guidance on Pivotal Clinical Trial Design for

KD025 in Chronic Graft-Versus-Host Disease

Feb 22, 2018: Kadmon Announces Updated Positive Results from Phase 2 Study of KD025 in cGVHD

Feb 12, 2018: Kadmon Announces Positive Top line Results from Phase 2 Study of KD025 in Idiopathic Pulmonary Fibrosis

Feb 12, 2018: Kadmon to Host Webcast and Conference Call to Discuss Topline Results of KD025 in IPF

Dec 10, 2017: Kadmon Presents Updated Positive Phase 2 Data on KD025 in cGVHD at ASH Annual Meeting

Nov 01, 2017: Kadmon to Present New Data from Ongoing Phase 2 Study of KD025 in cGVHD at ASH Annual Meeting

Oct 06, 2017: FDA Grants Orphan Drug Designation to Kadmon's KD025 for the Treatment of cGVHD

Aug 11, 2017: Kadmon to Present Preclinical Data on ROCK Inhibition in Pulmonary Fibrosis at IPF Summit 2017

Aug 02, 2017: BioAxone BioSciences Receives Notice of Award for NIH/SBIR Funding of IND-Enabling Studies to Continue Development of BA-1049 to Treat Cerebral Cavernous Malformations

Jul 25, 2017: Kadmon Announces Supplemental Interim Phase 2 Data of KD025 in Chronic Graft-Versus-Host Disease

Jul 11, 2017: Kadmon Announces Interim Phase 2 Data of KD025 in Chronic Graft-Versus-Host Disease

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### COMPANIES MENTIONED

AbbVie Inc

Angion Biomedica Corp

Astex Pharmaceuticals Inc

BioAxone BioSciences Inc

HitGen LTD

Kadmon Corp LLC

Redx Pharma Plc

Vertex Pharmaceuticals Inc

## I would like to order

Product name: Rho Associated Protein Kinase 2 (Rho Kinase 2 or Rho Associated Coiled Coil Containing Protein Kinase 2 or p164 ROCK 2 or ROCK2 or EC 2.7.11.1) - Pipeline Review, H2 2018

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