

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) - Pipeline Review, H1 2018

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# **Abstracts**

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) - Pipeline Review, H1 2018

## SUMMARY

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) pipeline Target constitutes close to 10 molecules. Out of which approximately 7 molecules are developed by companies and remaining by the universities/institutes.

The latest report Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A -Pipeline Review, H1 2018, outlays comprehensive information on the Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.



Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) - Dual specificity tyrosine-phosphorylation-regulated kinase 1A (DYRK1A) is an enzyme that is encoded by the DYRK1A gene. DYRK1A autophosphorylates on tyrosine serine and threonine residues but phosphorylate substrates only on serine or threonine residues. It plays a significant role in a signaling pathway regulating cell proliferation and involved in brain development.

The molecules developed by companies in Preclinical and Discovery stages are 4 and 3 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 1 and 2 molecules, respectively. Report covers products from therapy areas Central Nervous System, Genetic Disorders, Metabolic Disorders and Oncology which include indications Down Syndrome, Alzheimer's Disease, Type 1 Diabetes (Juvenile Diabetes), Colon Cancer, Dementia, Depression, Glioblastoma Multiforme (GBM), Lung Cancer, Pancreatic Cancer, Post-Traumatic Stress Disorder (PTSD) and Prostate Cancer.

Furthermore, this report also reviews key players involved in Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) 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

The report provides a snapshot of the global therapeutic landscape for Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1)



The report reviews Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) 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 Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) 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 Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) 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 Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1)

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 Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) 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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**ManRos Therapeutics** 

NeuroNascent Inc

Pharmasum Therapeutics AS

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) - Drug Profiles

FX-9847 - Drug Profile

Product Description

Mechanism Of Action

**R&D** Progress

NNI-351 - Drug Profile



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Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) - Dormant Products

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#### **COMPANIES MENTIONED**

Felicitex Therapeutics Inc ManRos Therapeutics NeuroNascent Inc Pharmasum Therapeutics AS



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