

# Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) - Pipeline Review, H2 2018

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## Abstracts

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### SUMMARY

Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) - Glucokinase is an enzyme that catalyzes the initial step in utilization of glucose by the beta-cell and liver at physiological glucose concentration. The role of GCK is to provide G6P for the synthesis of glycogen. Pancreatic glucokinase plays an important role in modulating insulin secretion. Hepatic glucokinase helps to facilitate the uptake and conversion of glucose by acting as an insulin-sensitive determinant of hepatic glucose usage.

Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) pipeline Target constitutes close to 12 molecules. Out of which approximately 10 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 2, 1, 5 and 1 respectively. Similarly, the universities portfolio in Preclinical stages comprises 2 molecules, respectively. Report covers products from therapy areas Metabolic Disorders which include indications Type 2 Diabetes, Diabetes, Obesity and Type 1 Diabetes (Juvenile Diabetes).

The latest report Glucokinase - Pipeline Review, H2 2018, outlays comprehensive information on the Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) 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 Glucokinase (Hexokinase D or Hexokinase 4 or GCK or

EC 2.7.1.2) 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 Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2)

The report reviews Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) 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 Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) targeted therapeutics and enlists all their major and minor projects

The report assesses Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) 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 Glucokinase (Hexokinase D

or Hexokinase 4 or GCK or EC 2.7.1.2) 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 Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2)

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 Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) 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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Eli Lilly and Co

Ligand Pharmaceuticals Inc

Merck & Co Inc

Poxel SA

Sanwa Kagaku Kenkyusho Co Ltd

Teijin Pharma Ltd

vTv Therapeutics Inc

Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) - Drug Profiles  
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Glucokinase (Hexokinase D or Hexokinase 4 or GCK or EC 2.7.1.2) - Product Development Milestones

Featured News & Press Releases

Jun 22, 2018: vTv Therapeutics to Present a Poster at the American Diabetes Association's 78th Scientific Sessions

Mar 22, 2018: vTv Therapeutics Announces Completion of Phase 1b Study Evaluating TTP399 for the Treatment of Type 1 Diabetes

Nov 08, 2017: vTv Therapeutics Initiates Phase 1b/2 Study Evaluating TTP399 for the Treatment of Type 1 Diabetes

Oct 17, 2016: Hua Medicine Announces First-Ever Successful Phase 2 Monotherapy Trial for New Class of Diabetes Drug

Aug 10, 2016: vTv Therapeutics Announces Positive Topline Results From Phase 2B Study Of Glucokinase Activator TTP399 In Type 2 Diabetes

Jun 14, 2016: vTv Therapeutics Presents Positive Results from a Pilot Study of its Glucokinase Activator at American Diabetes Association 76th Scientific Sessions

Apr 12, 2016: vTv Therapeutics Announces Presentation of its Diabetes Product Candidate TTP399 at the Keystone Symposia on New Therapeutics for Diabetes and Obesity

Feb 09, 2016: vTv Therapeutics Completes Enrollment of Phase 2b Trial Evaluating TTP399 for the Treatment of Type 2 Diabetes

Aug 13, 2015: Hua Medicine's GKA Diabetes Drug Demonstrates High Efficacy in 4-Week Phase 1c Trial

Jun 04, 2015: vTv Therapeutics Initiates Patient Dosing in the AGATA Study, a six Month Phase 2 Study Evaluating TTP399, a Liver-selective Glucokinase Activator, for the Treatment of Type 2 Diabetes

Mar 10, 2015: Hua Medicine Files IND in US for its Novel GKA-based Diabetes Drug

Feb 09, 2015: Hua Medicine Announces Positive Phase 1b Results in Diabetes with 4th-Generation Glucokinase Activator, Shows Robust 24-hour Glucose Control

Mar 26, 2014: Hua Medicine tests glucokinase activator in Chinese diabetics

Mar 19, 2014: Hua Medicine's Novel Glucokinase Activator Reports Positive Phase 1a Data Demonstrating Robust Glucose Regulatory Hormone Modulation & Commences Phase 1b Trials in Diabetes Patients

Aug 14, 2013: First Liver-Selective Glucokinase Activator for Type 2 Diabetes Demonstrates Normalized HbA1c and No Hypoglycemia in Clinical Trial

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Number of Products by Stage and Molecule Types, H2 2018

### COMPANIES MENTIONED

Amgen Inc

Eli Lilly and Co

Ligand Pharmaceuticals Inc

Merck & Co Inc

Poxel SA

Sanwa Kagaku Kenkyusho Co Ltd

Teijin Pharma Ltd

vTv Therapeutics Inc

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