

# H<sup>+</sup> Transporting Two Sector ATPase - Pipeline Review, H1 2020

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## Abstracts

H<sup>+</sup> Transporting Two Sector ATPase - Pipeline Review, H1 2020

### SUMMARY

According to the recently published report 'H<sup>+</sup> Transporting Two Sector ATPase - Pipeline Review, H1 2020'; H<sup>+</sup> Transporting Two Sector ATPase (F<sub>1</sub>F<sub>0</sub> ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 7.1.2.2) pipeline Target constitutes close to 5 molecules. Out of which approximately 3 molecules are developed by companies and remaining by the universities/institutes.

H<sup>+</sup> Transporting Two Sector ATPase (F<sub>1</sub>F<sub>0</sub> ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 7.1.2.2) - ATP synthase (EC 3.6.3.14) is an important enzyme that creates the energy storage molecule adenosine triphosphate (ATP). The majority of cellular energy in the form of adenosine triphosphate (ATP) is synthesized by the ubiquitous F<sub>1</sub>F<sub>0</sub> ATP synthase. Power for ATP synthesis derives from an electrochemical proton (or Na<sup>+</sup>) gradient, which drives rotation of membranous F<sub>0</sub> motor components.

The report 'H<sup>+</sup> Transporting Two Sector ATPase - Pipeline Review, H1 2020' outlays comprehensive information on the H<sup>+</sup> Transporting Two Sector ATPase (F<sub>1</sub>F<sub>0</sub> ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 7.1.2.2) 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 H<sup>+</sup> Transporting Two Sector ATPase (F<sub>1</sub>F<sub>0</sub> ATP

Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 7.1.2.2) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Pre-Registration, Phase II and Phase I stages are 1, 1 and 1 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 1 and 1 molecules, respectively. Report covers products from therapy areas Infectious Disease and Immunology which include indications Tuberculosis, Leprosy, Plaque Psoriasis (Psoriasis Vulgaris) and Pulmonary Tuberculosis.

**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 H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14)

The report reviews H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14) 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 H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14) targeted therapeutics and enlists all their major and minor projects

The report assesses H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14) 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 H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14) 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 H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14)

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 H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 3.6.3.14) 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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Johnson & Johnson

Lycera Corp

Shanghai Jiatan Pharmaceutical Technology Co Ltd

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Product Description

Mechanism Of Action

## R&D Progress

Small Molecules to Inhibit ATP Synthase for Tuberculosis - Drug Profile

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Product Description

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## R&D Progress

H<sup>+</sup> Transporting Two Sector ATPase (F1F0 ATP Synthase or ATP Synthase or Mitochondrial ATPase or Bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase or EC 7.1.2.2) - Dormant Products

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## Featured News & Press Releases

Dec 16, 2019: World Health Organization recommends the use of Bedaquiline-containing treatment regimens for all drug-resistant Tuberculosis patients

Dec 12, 2019: CHMP recommended extension of indication for Sirturo

Aug 09, 2019: Janssen Announces U.S. FDA Accelerated Approval for SIRTURO (bedaquiline) as Part of Combination Therapy to Treat Adolescents with Pulmonary Multidrug-Resistant Tuberculosis

Jun 28, 2019: New method reveals how well TB antibiotics reach their targets

Apr 25, 2019: MSF: Johnson & Johnson should make TB drug available for all at \$1/day

Aug 17, 2018: World Health Organization recommends the use of bedaquiline in all conventional multidrug-resistant tuberculosis treatment regimens

Jul 04, 2018: New drugs to treat top infectious disease killer a possibility with Otago discovery

Apr 25, 2017: Janssen Files NDA in Japan for Multidrug-Resistant Tuberculosis Drug Bedaquiline Fumarate

Dec 07, 2016: Lycera Announces Initiation of Phase 2 UPRISE Clinical Trial of LYC-30937-EC for Patients with Moderate Psoriasis

Dec 01, 2016: China Food And Drug Administration Approves Sirturo (Bedaquiline) For Patients With Pulmonary Multi-Drug Resistant Tuberculosis (MDR-TB)

Aug 22, 2016: Lycera Announces Initiation of Phase 2 Clinical Trial of LYC-30937-EC in Patients with Ulcerative Colitis

Jun 06, 2016: Speeding up drug discovery to fight tuberculosis

Mar 18, 2016: Lycera Announces Presentation of Positive Preclinical Results for Lead Candidate LYC-30937 at the 11th Congress of the European Crohn's and Colitis

Organization (ECCO)

Aug 24, 2015: Janssen's SIRTURO to be commissioned by NHS England for the treatment of multi-drug resistant tuberculosis

Apr 30, 2015: Lycera Initiates Phase 1 Clinical Trial of LYC-30937, a First-In-Class ATPase Modulator for Inflammatory Bowel Disease

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### COMPANIES MENTIONED

Johnson & Johnson

Lycera Corp

Shanghai Jiatan Pharmaceutical Technology Co Ltd

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