

# **Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) - Pipeline Review, H2 2017**

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## **Abstracts**

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) - Pipeline Review, H2 2017

### **SUMMARY**

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) - Leucine-rich repeat kinase 2 (LRRK2) is an enzyme encoded by the PARK8 gene. It plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner together with RAB29. It regulates neuronal process morphology in the intact central nervous system.

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) pipeline Target constitutes close to 17 molecules. Out of which approximately 14 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase I, Preclinical and Discovery stages are 2, 8 and 4 respectively. Similarly, the universities portfolio in Discovery stages comprises 3 molecules, respectively. Report covers products from therapy areas Central Nervous System, Cardiovascular, Ophthalmology and Respiratory which include indications Parkinson's Disease, Neurodegenerative Diseases, Glaucoma, Lung Disease and Pulmonary Hypertension.

The latest report Leucine Rich Repeat SerineThreonine Protein Kinase 2 - Pipeline Review, H2 2017, outlays comprehensive information on the Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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 Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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 Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1)

The report reviews Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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 Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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 Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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 Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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 Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 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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Arrien Pharmaceuticals LLC

D. Western Therapeutics Institute Inc

Denali Therapeutics Inc

H. Lundbeck AS

Ionis Pharmaceuticals Inc

Lead Discovery Center GmbH

Merck & Co Inc

Oncodesign SA

Origenis GmbH

Pfizer Inc

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) - Drug Profiles

Antisense Oligonucleotides to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

ARN-1104 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

DNL-151 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

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Mechanism Of Action

R&D Progress

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Featured News & Press Releases

Dec 20, 2017: Denali Therapeutics Provides Update on DNL151

Dec 20, 2017: Denali Therapeutics Announces Advancement and Expansion of Its LRRK2 Inhibitor Clinical Program for Parkinson's Disease

May 23, 2017: Origenis Announces Patent Grants for Lead Small Molecule LRRK2 Inhibitors for Treatment of Neurodegenerative and Inflammatory Diseases

May 30, 2016: Oncodesign is granted new patent protecting key molecules generated from its Nanocyclix technology platform for next generation kinase inhibitors

Oct 21, 2015: Oncodesign Presents Novel LRRK2 Inhibitor Jointly Discovered with Ipsen at the 2015 Neurosciences Meeting in Chicago

Sep 09, 2014: Arrien Pharmaceuticals announced that the U.S. Patent and Trademark Office has issued U.S. Patents No. 8,791,112 B2

Aug 16, 2012: Arrien Pharma's ORS-1104 Advances Into Investigational New Drug Enabling Stage

May 05, 2012: Arrien Pharma Provides Update On ORS-1104 For Treatment Of Parkinson's Disease

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### COMPANIES MENTIONED

Arrien Pharmaceuticals LLC

D. Western Therapeutics Institute Inc

Denali Therapeutics Inc

H. Lundbeck AS

Ionis Pharmaceuticals Inc

Lead Discovery Center GmbH

Merck & Co Inc

Oncodesign SA

Origenis GmbH

Pfizer Inc

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