

# Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) Drugs in Development by Therapy Areas and Indications, Stages, MoA, RoA, Molecule Type and Key Players, 2022 Update

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# **Abstracts**

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) Drugs in Development by Therapy Areas and Indications, Stages, MoA, RoA, Molecule Type and Key Players, 2022 Update

#### **SUMMARY**

According to the recently published report 'Leucine Rich Repeat Serine Threonine Protein Kinase 2 - Drugs In Development, 2022'; Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC 2.7.11.1) pipeline Target constitutes close to 25 molecules. Out of which approximately 24 molecules are developed by companies and remaining by the universities/institutes.

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.

The report 'Leucine Rich Repeat Serine Threonine Protein Kinase 2 - Drugs In Development, 2022' 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; that are being developed by Companies/Universities.

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. Currently, The molecules developed by companies in Phase II, Phase I, Preclinical and Discovery stages are 2, 3, 13 and 6 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively.

Report covers products from therapy areas Central Nervous System, Cardiovascular, Gastrointestinal, Oncology and Ophthalmology which include indications Parkinson's Disease, Amyotrophic Lateral Sclerosis, Crohn's Disease (Regional Enteritis), Glioblastoma Multiforme (GBM), Ocular Hypertension, Open-Angle Glaucoma, Pancreatic Cancer, Pulmonary Hypertension, Triple-Negative Breast Cancer (TNBC) and Unspecified Neurologic Disorders.

**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



## **Contents**

Introduction

Global Markets Direct Report Coverage

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC

2.7.11.1) - Overview

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC

2.7.11.1) - Therapeutics Development

Products under Development by Stage of Development

Products under Development by Therapy Area

Products under Development by Indication

Products under Development by Companies

Products under Development by Universities/Institutes

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC

2.7.11.1) - Therapeutics Assessment

Assessment by Mechanism of Action

Assessment by Route of Administration

Assessment by Molecule Type

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC

2.7.11.1) - Companies Involved in Therapeutics Development

1st Bio Therapeutics Inc

Arrien Pharmaceuticals LLC

Blue Therapeutics Inc

Cerevel Therapeutics Holdings Inc

D. Western Therapeutics Institute Inc

Denali Therapeutics Inc

E-scape Bio Inc

Guangzhou DM Intelligence Ltd

H. Lundbeck AS

Halia Therapeutics Inc

ICB International Inc

Imago Pharmaceuticals Inc

Ionis Pharmaceuticals Inc

Lead Discovery Center GmbH

Merck & Co Inc

Neuron23 Inc

Oncodesign SA

Shape Therapeutics Inc

Voronoi Group



Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC

2.7.11.1) - Drug Profiles

Antibody 1 to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

Antibody to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

ARN-1104 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

DNL-151 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

DNL-201 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

DNL-975 - Drug Profile

**Product Description** 

Mechanism Of Action

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

**Product Description** 

Mechanism Of Action

Drug to Inhibit LRRK2 for Unspecified Neurologic Disorders - Drug Profile

**Product Description** 

Mechanism Of Action

ESB-5070 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

FB-418 - Drug Profile

**Product Description** 

Mechanism Of Action

GNE-7915 - Drug Profile

**Product Description** 

Mechanism Of Action



History of Events

H-1337 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

ION-859 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

NEU-723 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

ODS-2005294 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

PF-06447475 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

SHP-202 - Drug Profile

**Product Description** 

Mechanism Of Action

Small Molecule to Inhibit LRRK-2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

Small Molecule to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

Small Molecules to Inhibit LRRK-2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

Small Molecules to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

Small Molecules to Inhibit LRRK2 for Parkinson's Disease - Drug Profile



**Product Description** 

Mechanism Of Action

History of Events

Small Molecules to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

Small Molecules to Inhibit LRRK2 for Parkinson's Disease - Drug Profile

**Product Description** 

Mechanism Of Action

VRN-01 - Drug Profile

**Product Description** 

Mechanism Of Action

History of Events

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

Leucine Rich Repeat Serine/Threonine Protein Kinase 2 (Dardarin or LRRK2 or EC

2.7.11.1) - Product Development Milestones

Featured News & Press Releases

Jun 14, 2021: Servier and Oncodesign announce the selection of a preclinical candidate as part of their collaboration targeting new treatments for Parkinson's Disease

May 01, 2021: Phase 1b studies of its LRRK2 inhibitor, BIIB122/DNL151, supporting late-stage development plans in Parkinson's Disease

Aug 06, 2020: Biogen and Denali to collaborate on LRRK2 program for Parkinson's

Disease and certain tv platform-enabled programs for neurodegenerative diseases

Aug 06, 2020: Denali Therapeutics announces decision to advance DNL151 into late stage clinical studies in Parkinson's Patients

Feb 17, 2020: Oncodesign and Servier reach a key first milestone in their strategic partnership on LRRK2 inhibitors for Parkinson's Disease

Sep 05, 2019: Denali begins dosing Parkinson's patients in Phase Ib trial

Sep 04, 2019: GeoVax announces publication of Lassa Fever Vaccine study results

Sep 04, 2019: BioXcel Therapeutics receives FDA Orphan Drug Designation for

BXCL701 for the treatment of Acute Myeloid Leukemia (AML)

Dec 10, 2018: Denali Therapeutics announces first patient dosed in phase 1b study of DNL201 for parkinson's disease

Aug 01, 2018: Denali Therapeutics announces positive clinical results from LRRK2 inhibitor program for parkinsons disease

Apr 05, 2018: Allysta Pharmaceuticals Doses First Patient in Phase 2A Study in Glaucoma



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

Appendix

Methodology

Coverage

Secondary Research

Primary Research

**Expert Panel Validation** 

Contact Us

Disclaimer



# **List Of Tables**

### **LIST OF TABLES**

Number of Products under Development by Stage of Development, 2022

Number of Products under Development by Therapy Areas, 2022

Number of Products under Development by Indication, 2022

Number of Products under Development by Companies, 2022

Products under Development by Companies, 2022

Products under Development by Companies, 2022 (Contd..1)

Number of Products under Investigation by Universities/Institutes, 2022

Products under Investigation by Universities/Institutes, 2022

Number of Products by Stage and Mechanism of Actions, 2022

Number of Products by Stage and Route of Administration, 2022

Number of Products by Stage and Molecule Type, 2022

Pipeline by 1st Bio Therapeutics Inc, 2022

Pipeline by Arrien Pharmaceuticals LLC, 2022

Pipeline by Blue Therapeutics Inc, 2022

Pipeline by Cerevel Therapeutics Holdings Inc, 2022

Pipeline by D. Western Therapeutics Institute Inc, 2022

Pipeline by Denali Therapeutics Inc, 2022

Pipeline by E-scape Bio Inc, 2022

Pipeline by Guangzhou DM Intelligence Ltd, 2022

Pipeline by H. Lundbeck AS, 2022

Pipeline by Halia Therapeutics Inc, 2022

Pipeline by ICB International Inc, 2022

Pipeline by Imago Pharmaceuticals Inc, 2022

Pipeline by Ionis Pharmaceuticals Inc, 2022

Pipeline by Lead Discovery Center GmbH, 2022

Pipeline by Merck & Co Inc, 2022

Pipeline by Neuron23 Inc, 2022

Pipeline by Oncodesign SA, 2022

Pipeline by Shape Therapeutics Inc, 2022

Pipeline by Voronoi Group, 2022

Dormant Projects, 2022



# **List Of Figures**

#### LIST OF FIGURES

Number of Products under Development by Stage of Development, 2022

Number of Products under Development by Therapy Areas, 2022

Number of Products under Development by Top 10 Indications, 2022

Number of Products by Stage and Mechanism of Actions, 2022

Number of Products by Routes of Administration, 2022

Number of Products by Stage and Routes of Administration, 2022

Number of Products by Molecule Types, 2022

Number of Products by Stage and Top 10 Molecule Types, 2022



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