

# Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) Drugs in Development by Therapy Areas and Indications, Stages, MoA, RoA, Molecule Type and Key Players, 2022 Update

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## Abstracts

Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) 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 'Superoxide Dismutase [Cu-Zn] - Drugs In Development, 2022'; Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) pipeline Target constitutes close to 17 molecules. Out of which approximately 13 molecules are developed by companies and remaining by the universities/institutes.

Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) - Superoxide dismutase (SOD) is an enzyme that alternately catalyzes the dismutation of the superoxide (O<sub>2</sub><sup>-</sup>) radical into either ordinary molecular oxygen (O<sub>2</sub>) or hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) which prevents damage to tissues. Superoxide dismutase is used for treating pain and swelling (inflammation) caused by osteoarthritis, sports injuries, and rheumatoid arthritis, a kidney condition called interstitial cystitis, gout, poisoning caused by a weed-killer called paraquat, cancer, and lung problems in newborns.

The report 'Superoxide Dismutase [Cu-Zn] - Drugs In Development, 2022' outlays

*Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) Drugs in Development by Therapy Areas and Indications, Stages, MoA, RoA, Molecule Type and Key Players, 2022 Update*

comprehensive information on the Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) 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 Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Pre-Registration, Phase III, Phase II, IND/CTA Filed, Preclinical and Discovery stages are 1, 2, 1, 1, 7 and 1 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 2 and 2 molecules, respectively. Report covers products from therapy areas Central Nervous System, Gastrointestinal and Genetic Disorders which include indications Amyotrophic Lateral Sclerosis, Neurodegenerative Diseases, Parkinson's Disease, Primary Biliary Cholangitis (Primary Biliary Cirrhosis) and Wilson Disease.

**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 Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1)

The report reviews Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) 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 Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) 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 Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) 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 Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1)

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 Superoxide

Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) 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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Avrion Therapeutics AG

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ProMIS Neurosciences Inc

ResQ Biotech

Thera Neuropharma Inc

Voyager Therapeutics Inc

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Featured News & Press Releases

Jul 27, 2022: FDA grants priority review for Biogen's tofersen to treat ALS

Jul 26, 2022: Ionis announces that FDA accepts New Drug Application and grants priority review of tofersen for a rare, genetic form of ALS

Jun 23, 2022: ALXN1840 shows rapid and sustained improvement in copper mobilization from tissues, potentially closing treatment gaps for Wilson Disease community

Jun 03, 2022: Ionis partner Biogen announces that results from Phase 3 VALOR study and open-label extension of tofersen showed clinical benefit in SOD1-ALS patients

Jun 03, 2022: New 12-month tofersen data presented at ENCALS meeting show clinically meaningful benefit in people with SOD1-ALS

Nov 18, 2021: Neurimmune and TVM Capital Life Science announce the initiation of AL-S Pharma's phase 2 Study of AP-101 for the treatment of ALS

*Superoxide Dismutase [Cu-Zn] (Superoxide Dismutase 1 or Epididymis Secretory Protein Li 44 or SOD1 or EC 1.15.1.1) - Product Development Milestones*

Oct 18, 2021: Biogen's tofersen fails to meet primary goal in Phase III ALS trial

Oct 17, 2021: Ionis' partner Biogen provides update on tofersen Phase 3 VALOR study in SOD1-ALS

Oct 14, 2021: Topline results from Tofersen phase 3 study and its open label extension in SOD1-ALS to be presented at the American Neurological Association Annual Meeting

Aug 27, 2021: Alexion's drug meets primary goal in Phase III Wilson disease trial

Jul 28, 2021: Apic Bio receives FDA fast track designation for APB-102 for the treatment of patients with SOD1 ALS

Apr 21, 2021: Apic Bio announces FDA clearance of IND application for lead gene therapy candidate APB-102 for the treatment of SOD1 ALS

Feb 23, 2021: ALS neuron damage reversed with new compound

Jul 23, 2020: Investigational drug for genetic form of ALS showing early promise, trial indicates

Jul 13, 2020: New treatment for motor neurone disease shows promise in early trials

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