

# Superoxide Dismutase [Cu-Zn] - Pipeline Review, H1 2020

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## Abstracts

Superoxide Dismutase [Cu-Zn] - Pipeline Review, H1 2020

### SUMMARY

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 16 molecules. Out of which approximately 12 molecules are developed by companies and remaining by the universities/institutes. The latest report Superoxide Dismutase - Pipeline Review, H1 2020, outlays 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.

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 molecules developed by companies in Phase III, Phase I, Preclinical and Discovery stages are 3, 1, 6 and 2 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 3 and 1 molecules, respectively. Report covers

products from therapy areas Central Nervous System and Genetic Disorders which include indications Amyotrophic Lateral Sclerosis, Neurodegenerative Diseases, Parkinson's Disease and Wilson Disease.

Furthermore, this report 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. Driven by 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 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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AL-S Pharma AG

Alexion Pharmaceuticals Inc

Alnylam Pharmaceuticals Inc

Apic Bio Inc

AveXis Inc

Biogen Inc

Collaborative Medicinal Development LLC

Priavoid GmbH

Thera Neuropharma Inc

TruCode Gene Repair Inc

Voyager Therapeutics Inc

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

Antisense RNAi Oligonucleotides to Inhibit Superoxide Dismutase for CNS Disorders - Drug Profile

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Mechanism Of Action

R&D Progress

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Mechanism Of Action

R&D Progress

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Product Description

Mechanism Of Action

R&D Progress

tofersen sodium - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

VYSOD-101 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

VYSOD-102 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

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Featured News & Press Releases

Oct 16, 2019: Neurimmune and TVM Capital Life Science announce the initiation of ALS-S Pharma's phase 1 study of AP-101 for the treatment of ALS

Oct 14, 2019: Collaborative Medicinal Development enrolls first patient in a randomized, placebo-controlled clinical trial of CuATSM for The treatment of Amyotrophic Lateral Sclerosis

Jul 22, 2019: Apic Bio's APB-102 receives Orphan Drug Designation from the FDA for the treatment of genetic SOD1 ALS

Jul 01, 2019: Copper compound shows further potential as therapy for slowing ALS

Jun 10, 2019: Collaborative Medicinal Development reports that lead drug shows dose-dependent improvement in Parkinson's disease

May 03, 2019: Biogen reports positive data from Phase I/II study of tofersen

May 02, 2019: Experimental drug shows promise for genetic form of ALS

Apr 29, 2019: Voyager Therapeutics Announces New Data on VY-SOD102 at the American Society of Gene and Cell Therapy 2019 Annual Meeting

Apr 17, 2019: Collaborative Medicinal Development wins AU\$1 million grant award from FightMND

Jan 14, 2019: Researchers report positive results from motor neurone disease trial

Jan 07, 2019: Collaborative Medicinal Development reports that lead drug modifies ALS progression

Dec 17, 2018: Biogen provides update on SOD1 phase I Antisense trial

Oct 16, 2018: Voyager Therapeutics announces preclinical data for Amyotrophic Lateral Sclerosis at the Congress of the European Society of Gene and Cell Therapy

Jul 25, 2018: Next-generation ALS drug silences inherited form of the disease in animal models

Jul 16, 2018: Washington University's new ALS therapy in clinical trial stage

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Alexion Pharmaceuticals Inc  
Anylam Pharmaceuticals Inc  
Apic Bio Inc  
AveXis Inc  
Biogen Inc  
Collaborative Medicinal Development LLC  
Priavoid GmbH  
Thera Neuropharma Inc  
TruCode Gene Repair Inc  
Voyager Therapeutics Inc

## I would like to order

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