

# Cathepsin S - Pipeline Review, H2 2020

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## Abstracts

Cathepsin S - Pipeline Review, H2 2020

### SUMMARY

According to the recently published report 'Cathepsin S - Pipeline Review, H2 2020'; Cathepsin S (CTSS or EC 3.4.22.27) pipeline Target constitutes close to 5 molecules. Out of which approximately 4 molecules are developed by companies and remaining by the universities/institutes.

Cathepsin S (CTSS or EC 3.4.22.27) - Cathepsin S is a lysosomal enzyme that belongs to the papain family of cysteine proteases. Cathepsin S has a role in itch and pain, or nociception. The nociceptive activity results from cathepsin S functioning as a signaling molecule via activation of protease-activated receptors 2 and 4 members of the G-protein coupled receptor family. Cathepsin S has a physiological role outside the lysosome. Immune cells, including macrophages and microglia, secrete cathepsin S in response to inflammatory mediators including lipopolysaccharides, proinflammatory cytokines and neutrophils.

The report 'Cathepsin S - Pipeline Review, H2 2020' outlays comprehensive information on the Cathepsin S (CTSS or EC 3.4.22.27) 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 Cathepsin S (CTSS or EC 3.4.22.27) targeted therapeutics development with respective active and dormant or discontinued projects. Currently, The molecules developed by companies in Phase 0 and Preclinical stages are 1 and 3 respectively. Similarly, the universities portfolio in Discovery stages comprises 1 molecules, respectively. Report covers products from therapy areas Central Nervous System, Oncology, Gastrointestinal, Immunology and Metabolic Disorders which include indications Alzheimer's Disease, Autoimmune Disorders,

Cancer Pain, Diabetic Retinopathy, Liver Fibrosis, Neuropathic Pain (Neuralgia), Pancreatic Cancer and Primary Biliary Cholangitis (Primary Biliary Cirrhosis).

**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 Cathepsin S (CTSS or EC 3.4.22.27)

The report reviews Cathepsin S (CTSS or EC 3.4.22.27) 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 Cathepsin S (CTSS or EC 3.4.22.27) targeted therapeutics and enlists all their major and minor projects

The report assesses Cathepsin S (CTSS or EC 3.4.22.27) 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 Cathepsin S (CTSS or EC 3.4.22.27) 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 Cathepsin S (CTSS or EC 3.4.22.27) 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 Cathepsin S (CTSS or EC 3.4.22.27) 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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Nov 14, 2014: Virobay To Present Data On Two Cathepsin S Inhibitor Programs In Neuropathic Pain And Alzheimer's Disease At The 2014 Society For Neuroscience Annual Meeting

Nov 14, 2011: Virobay's Spectrum-Selective Cathepsin Inhibitor Shows Efficacy In Bone Cancer Model

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