



Poster presentation with the Alzstatin platform now available on AlzeCure's website

AlzeCure Pharma AB (publ) (FN STO: ALZCUR) ("AlzeCure"), a pharmaceutical company that develops a broad portfolio of drug candidates for diseases affecting the central nervous system, with projects in both Alzheimer's disease and pain, today announced that the company's poster presentation and abstract about the Alzstatin platform, which was presented at the annual Alzheimer's conference CTAD, Clinical Trials in Alzheimer's Disease, on November 4-7, 2020, are now available in full on the company's website.

The poster presentation, given by Johan Sandin, CSO at AlzeCure, presents how the mechanisms in the research platform Alzstatin work and shows that the target mechanism within the platform is suitable as a new treatment for Alzheimer's disease. Furthermore, data show that the class of drug substances being developed within AlzeCure's platform, so-called gamma-secretory modulators, selectively affect the production of toxic Aβ-amyloid, without affecting the cleavage of other substrates that potentially play an important role in normal physiological function. These data support the continued development of drug candidates within the Alzstatin platform for early treatment of Alzheimer's disease.

The abstract, titled *Gamma-secretase modulators show selectivity for gamma-secretase-mediated amyloid precursor protein intramembrane processing* is written by Helena Karlström at Karolinska Institutet (Principal Investigator for the study) and Erik Portelius at the University of Gothenburg. Other authors include Professor Henrik Zetterberg, Professor Kaj Blennow and Professor Bengt Winblad, as well as Johan Lundkvist, Johan Sandin and Gunnar Nordvall at AlzeCure.

Within the Alzstatin platform innovative disease-modifying and preventive drugs for Alzheimer's disease are under development. The platform focuses on reducing the production of toxic amyloid beta (Aβ) in the brain. Preparatory preclinical safety pharmacological and toxicological studies are underway with the primary drug candidate in the Alzstatin platform, ACD679.

"The approval of the abstract and the chance to present at one of the leading Alzheimer's conferences is a strong validation of our research and development. The medical need for effective treatment to prevent Alzheimer's is still massive and I look forward to the continued development of our drug candidates within the platform," said Martin Jönsson, CEO of AlzeCure Pharma AB.

The poster presentation and abstract are available on AlzeCure's website: <https://www.alzecurepharma.se/en/presentations-and-interviews/>

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About AlzeCure Pharma AB (publ)

AlzeCure® is a Swedish pharmaceutical company that develops new innovative drug therapies for the treatment of severe diseases and conditions that affect the central nervous system, such as Alzheimer's disease and pain – indications for which currently available treatment is extremely limited. The company is listed on Nasdaq First North Premier Growth Market and is developing several parallel drug candidates based on three research platforms: NeuroRestore®, Alzstatin® and Painless.

NeuroRestore consists of three symptomatic drug candidates where the unique mechanism of action allows for multiple indications, including Alzheimer's disease, as well as cognitive disorders associated with traumatic brain injury, sleep apnea and Parkinson's disease. Alzstatin comprises two disease-modifying and preventive drug candidates for early treatment of Alzheimer's disease. Painless is the company's research platform in the field of pain and contains two projects: ACD440, which is a clinical candidate for the treatment of neuropathic pain, and TrkA-NAM, which targets severe pain in conditions such as osteoarthritis. AlzeCure aims to pursue its own projects through preclinical research and development to an early clinical phase and is continuously working with business development to find suitable out-licensing solutions with other pharmaceutical companies.

FNCA Sweden AB, +46(0)8 528 00 399 info@fnca.se, is the company's Certified Adviser. For more information, please visit www.alzecurepharma.se.

About Alzstatin

AlzeCure's disease-modifying research platform, Alzstatin, consisting of disease-modifying and preventive drug candidates, focuses on reducing the production of toxic amyloid beta ($A\beta$) in the brain. $A\beta$ plays a key pathological role in Alzheimer's and begins to accumulate in the brain years before clear symptoms develop. The drug candidates in the Alzstatin platform modulate the function of the enzyme gamma secretase. Gamma secretase acts like a pair of scissors and cuts $A\beta_{42}$ out from a longer protein known as APP. The sticky $A\beta_{42}$ clumps together giving rise to the amyloid plaque so typical of Alzheimer's disease. The candidates in the Alzstatin platform affect enzyme function so that it instead cuts out shorter forms of the $A\beta$ peptide, $A\beta_{37}$ and $A\beta_{38}$, which in addition to them not being sticky and not forming aggregates, also have a restrictive effects on $A\beta_{42}$ aggregates already formed. This means the drug candidates in the Alzstatin platform have two separate but synergistic effects that together contribute to a stronger anti-amyloidogenic – and thus more potent – disease-modifying effect.

About Alzheimer's disease

Alzheimer's disease is the most common form of dementia, affecting approximately 45 million people worldwide. Alzheimer's disease is a lethal disorder that also has a large impact on both relatives and the society. Today, preventive and disease modifying treatments are missing. The main risk factors to develop Alzheimer's are age and genetic causes. Even though the disease can start as early as between 40 and 65 years of age, it is most common after 65 years. Significant investments in Alzheimer research are being made because of the significant unmet medical need and the large cost of this disease for healthcare and society. The total global costs for dementia related diseases is estimated to about 1,000 billion USD globally in 2018. Given the lack of both effective symptomatic treatments and disease modifying treatments, the need for new effective therapies is acute. The few approved drugs on the market today have only a limited symptomatic effect and can produce dose limiting side effects. A disease modifying treatment for Alzheimer's disease is estimated to reach more than \$10 billion in annual sales. In Sweden, approximately 100,000 people suffer from Alzheimer's disease with a healthcare cost of about SEK 63 billion annually, which is more than for cancer and cardiovascular diseases combined.