Market Need
Alzheimer’s disease (AD) is estimated to afflict 4 million people in the US. The current treatments are limited to symptomatic treatment of cognitive function. The main challenge in AD treatment is its apparent multifactorial nature. This necessitates the progression from single-target drug development to multi-target.

Technology Summary
The invention is a series of novel compounds that are useful for the treatment and prevention of Alzheimer’s disease. These compounds target multiple risk factors involved in AD including amyloid-β oligomers (AβO) oxidative stress and biometals and cell membrane/lipid rafts. The multifunctional Aβ oligomerization inhibitors (BMAOIs) strategy targeting CM/LR and other factors involved in the etiology of AD might be an ideal approach to overcome the limits of traditional single-target based approach.

Technology Status
Patent pending: U.S. rights are available - 13/810,826


This technology is available for licensing to industry for further development and commercialization.