METHODS FOR REDUCING TAU EXPRESSION

ABSTRACT

Provided herein are methods of administering ISIS 814907 for ameliorating Alzheimer's disease, reducing Tau RNA, or reducing Tau protein in a human subject in need thereof. In certain embodiments, the Alzheimer's disease is mild Alzheimer's disease, Mild Cognitive Impairment (MCI) Due to Alzheimer's Disease, and/or Alzheimer's Disease Dementia (e.g., Mild Alzheimer's Disease Dementia). In certain instances, methods are useful for ameliorating at least one symptom or hallmark of a disease or disorder associated with Tau protein. In certain instances, the disease or disorder associated with Tau protein is a neurodegenerative disease or disorder. In certain instances, the disease or disorder associated with Tau protein is Alzheimer's disease or Fronto-temporal Dementia (FTD). In certain embodiments, the Alzheimer's disease is mild Alzheimer's disease, Mild Cognitive Impairment (MCI) Due to Alzheimer's Disease, and/or Alzheimer's Disease Dementia (e.g., Mild Alzheimer's Disease Dementia). In certain instances, the disease or disorder associated with Tau protein is a tauopathy. In certain instances, the disease or disorder associated with Tau protein is Frontotemporal Dementia with Parkinsonism-17 (FTDP-17), Progressive Supranuclear Palsy (PSP), Chronic Traumatic Encephalopathy (CTE), Corticobasal Ganglionic Degeneration (CBD), Pick Disease, Argyrophilic Grain Disease (AGD), Globular Glial Tauopathies, Epilepsy, and/or Dravet's Syndrome. Such symptoms or hallmarks include loss of memory, cognitive decline, loss of ability to understand or express speech, abnormal behavior, loss ofand impaired motor function, or increase in the number and/or volume of neurofibrillary inclusions.

Fig. 3