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(54) Title: AGENTS AND METHODS FOR INCREASING BRAIN CHAPERONIN LEVELS

(57) Abstract: The invention includes; a method of modulating a level of chaperone protein, a method of modulating a level of ERP57, a method of alleviating a symptom of a disease associated with decreased levels of chaperone proteins, and a method of alleviating a symptom of Alzheimer's disease. The methods include administering to a patient a substituted biphenylmethane compound. Preferably the compound is an analog to methoxychlor. More preferably the compound is methoxychlor. The invention also includes pharmaceutical compositions. The pharmaceutical compositions include substituted biphenylmethanes and a pharmaceutically acceptable carrier. Preferably the pharmaceutical compositions include methoxychlor analogs and a pharmaceutically acceptable carrier. More preferably the pharmaceutical compositions include methoxychlor and a pharmaceutically acceptable carrier.