

Title (en)  
AMIDINE DERIVATIVES FOR TREATING AMYLOIDOSIS

Title (de)  
AMIDIN-DERIVATE ZUR BEHANDLUNG VON AMYLOIDOSE

Title (fr)  
DERIVES D'AMIDINE POUR LE TRAITEMENT DES AMYLOSES

Publication  
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Application  
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Abstract (en)  
[origin: WO03103598A2] The present invention relates to the use of amidine compounds in the treatment of amyloid related diseases. In particular, the invention relates to a method of treating or preventing an amyloid-related disease in a subject comprising administering to the subject a therapeutic amount of an amidine compound. Among the compounds for use according to the invention are those according to the following Formulae, such that, when administered, amyloid fibril formation, neurodegeneration, or cellular toxicity is reduced or inhibited. Formula I, Formula II, Formula III.

IPC 8 full level  
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Citation (search report)  
• [X] WO 0004893 A2 20000203 - UNIV NORTH CAROLINA [US], et al  
• [PX] WO 03017994 A1 20030306 - NEUROCHEM INC [CA], et al  
• [X] OJO B ET AL: "Synthesis and biochemical activity of novel amidine derivatives as m1 muscarinic receptor agonists", BIOORGANIC AND MEDICINAL CHEMISTRY 1996 UNITED KINGDOM, vol. 4, no. 10, 1996, pages 1605 - 1615, XP002419580, ISSN: 0968-0896  
• [X] MESSER WILLIAM S JR ET AL: "Tetrahydropyrimidine derivatives display functional selectivity for M-1 muscarinic receptors in brain", DRUG DEVELOPMENT RESEARCH, vol. 40, no. 2, 1997, pages 171 - 184, XP002419581, ISSN: 0272-4391  
• See references of WO 03103598A2

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