

Title (en)

RAPID INDUCTION OF ALZHEIMER S AMYLOID PLAQUE FORMATION BY SULFATED GLYCOSAMINOGLYCANS

Title (de)

SCHNELLE INDUKTION VON ALZHEIMER-AMYLOIDPLAQUEBILDUNG DURCH SULFATIERTE GLYCOSAMINOGLYCANE

Title (fr)

INDUCTION RAPIDE DE LA FORMATION DE LA PLAQUE AMYLOIDE D'ALZHEIMER PAR DES GLYCOSAMINOGLYCANS SULFATES

Publication

**EP 1562978 A2 20050817 (EN)**

Application

**EP 03778061 A 20031031**

Priority

- US 0334797 W 20031031
- US 42318502 P 20021101

Abstract (en)

[origin: WO2004041779A2] A method of induction of amyloid plaques includes immobilizing a quantity of a selected sulfated glycosaminoglycan (SGAG) on a selected medium and adding to the immobilized SGAG on the medium a quantity of dissolved low fibrillar A $\beta$  1-40 (LFA $\beta$ ). The LFA $\beta$  is added preferably in a A $\beta$ :SGAG w/w ratio of about 1:1. SGAGs are preferably selected from heparin, heparan sulfate, keratan sulfate, dermatan sulfate, chondroitin-4-sulfate and chondroitin-6-sulfate. Screening methods and kits for screening either immobilize a quantity of a selected sulfated glycosaminoglycan (SGAG) on a selected medium, followed by adding to a quantity of dissolved low fibrillar A $\beta$  1-40 (LFA $\beta$ ) a selected quantity of the selected amyloid therapeutic candidate to create a test solution, and then adding to the immobilized SGAG on the medium a selected quantity of the test solution to test for inhibition, or preform amyloid plaques on the medium by immobilizing a quantity of a selected sulfated glycosaminoglycan (SLAG) or a GAG-related macromolecule on a selected medium and then adding a selected quantity of dissolved low fibrillar A $\beta$  1-40 (LFA $\beta$ ), followed by adding to the amyloid plaques on the medium a selected quantity of a test solution of a selected amyloid therapeutic candidate to test for disruption.

IPC 1-7

**C07K 5/00**; C07K 14/00; G01N 33/53; C12N 15/85; C12N 15/86

IPC 8 full level

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