

Title (en)
OPTICAL DIAGNOSTIC AGENTS FOR DIAGNOSIS OF NEURODEGENERATIVE DISEASES BY MEANS OF NEAR INFRA-RED RADIATION (NIR RADIATION)

Title (de)
OPTISCHE DIAGNOSTIKA ZUR DIAGNOSTIK NEURODEGENERATIVER KRANKHEITEN MITTELS NAHINFRAROT-STRAHLUNG (NIR-STRAHLUNG)

Title (fr)
AGENTS POUR ETABLIR UN DIAGNOSTIC PAR VOIE OPTIQUE DE MALADIES NEURODEGENERATIVES AU MOYEN D'UN RAYONNEMENT INFRAROUGE PROCHE

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Application
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Priority
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Abstract (en)
[origin: DE19649971A1] The invention relates to compounds of formula (I): Fm(-A1) (-Bn) (-WO) wherein F is a colorant-signal molecule with a maximum absorption value ranging from 600 - 1200 nm; A is a beta -amyloid plaque binding biomolecule; B is a beta -amyloid plaque binding colorant; and W is a beta -amyloid plaque binding hydrophilic low-molecular structural element. The invention also describes the use of these compounds in in vivo and in vitro diagnosis of neurodegenerative diseases such as Alzheimer's disease by means of near infra-red radiation (NIR radiation) as a contrasting agent in fluorescence and transillumination diagnosis in the NIR range. Diagnostic agents containing said components are also disclosed.

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