

Title (en)

SIGMA-1 RECEPTOR LIGAND WITH ACETYLCHOLINESTERASE INHIBITION PROPERTIES

Title (de)

SIGMA-1 REZEPTOR-LIGAND MIT ACETYLCHOLINESTERASE-HEMMENDEN EIGENSCHAFTEN

Title (fr)

LIGAND DU RECEPTEUR SIGMA-1 PRESENTANT DES PROPRIETES D'INHIBITION DE L'ACETYLCHOLINESTERASE

Publication

EP 1651235 A2 20060503 (EN)

Application

EP 04757425 A 20040805

Priority

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- US 49276903 P 20030805

Abstract (en)

[origin: WO2005016276A2] A novel compound and method for preventing or treating neurodegenerative diseases by inhibiting acetylcholinesterase and binding the sigma-1 receptor are disclosed. Dimethylcarbamic acid 2,3-bis-dimethylcarbamoyloxy-6-[4-(4-ethyl-piperazin-yl)-butyryl]-phenyl ester and its derivatives represent a novel therapeutic strategy against beta-amyloid peptide induced neurotoxicity, in inhibiting acetylcholinesterase, in improving cholinergic transmission, in binding the sigma-1 receptor, and in releasing a metabolite that is active both as a sigma-1 receptor ligand and an antioxidant.

IPC 1-7

A61K 31/56

IPC 8 full level

A61K 31/495 (2006.01); **A61K 31/56** (2006.01); **A61P 25/28** (2006.01); **C07D 241/04** (2006.01)

IPC 8 main group level

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CPC (source: EP)

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