

## 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 A4 20081217 (EN)**

## Application

**EP 04757425 A 20040805**

## Priority

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## 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 8 full level

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## Citation (search report)

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## Designated contracting state (EPC)

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## Designated extension state (EPC)

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## DOCDB simple family (publication)

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