

Title (en)

ESTRIOL THERAPY FOR AUTOIMMUNE AND NEURODEGENERATIVE DISEASES AND DISORDERS

Title (de)

ÖSTRIOLTHERAPIE FÜR AUTOIMMUN- UND NEURODEGENERATIVE KRANKHEITEN UND ERKRANKUNGEN

Title (fr)

THERAPIE PAR ESTRIOL POUR MALADIE DES TROUBLES AUTO-IMMUNS ET NEURODEGENERATIFS

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Application

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Abstract (en)

[origin: WO2007038636A2] The present invention discloses administering steroid hormones to mammals to treat autoimmune related diseases, neurodegenerative diseases or disorders, such as Alzheimer's disease, Parkinson's Disease, multiple sclerosis, stroke, ALS Pick's disease, prion disease and Huntington's disease. Most preferably the invention uses estrogens, estranes, estradiol or estrogen receptor active agents to prevent or ameliorate clinical symptoms of the diseases and disorders.

IPC 8 full level

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Citation (search report)

- [X] US 5554601 A 19960910 - SIMPKINS JAMES W [US], et al
- [X] US 2001016325 A1 20010823 - MOBLEY WILLIAM C [US], et al
- [X] PERRELLA, JOEL ET AL: "Protection of cortical cells by equine estrogens against glutamate-induced excitotoxicity is mediated through a calcium independent mechanism", BMC NEUROSCIENCE, vol. 6, 34, 10 May 2005 (2005-05-10), pages 17PP, XP002605592, ISSN: 1471-2202
- [X] KUMAR D M ET AL: "Role of nonfeminizing estrogen analogues in neuroprotection of rat retinal ganglion cells against glutamate-induced cytotoxicity", FREE RADICAL BIOLOGY AND MEDICINE, vol. 38, no. 9, 1 May 2005 (2005-05-01), ELSEVIER SCIENCE, US, pages 1152 - 1163, XP025352119, ISSN: 0891-5849, [retrieved on 20050501]
- [X] BIEWENGA E ET AL: "Estradiol and raloxifene protect cultured SN4741 neurons against oxidative stress", NEUROSCIENCE LETTERS, vol. 373, no. 3, 20 January 2005 (2005-01-20), LIMERICK, IE, pages 179 - 183, XP004690113, ISSN: 0304-3940, DOI: 10.1016/J.NEULET.2004.09.067
- [X] OFFNER, HALINA: "Neuroimmunoprotective effects of estrogen and derivatives in experimental autoimmune encephalomyelitis: Therapeutic implications for multiple sclerosis", JOURNAL OF NEUROSCIENCE RESEARCH, vol. 78, no. 5, 28 October 2004 (2004-10-28), pages 603 - 624, XP002605593, ISSN: 0360-4012
- [X] SAMANTHA S SOLDAN ET AL: "Immune modulation in multiple sclerosis patients treated with the pregnancy hormone estriol", JOURNAL OF IMMUNOLOGY, vol. 171, no. 11, 1 December 2003 (2003-12-01), AMERICAN ASSOCIATION OF IMMUNOLOGISTS, US, pages 6267 - 6268, XP008126547, ISSN: 0022-1767
- [X] WEN, YI ET AL: "Transient Cerebral Ischemia Induces Aberrant Neuronal Cell Cycle Re-entry and Alzheimer's Disease-like Tauopathy in Female Rats", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 279, no. 21, 24 February 2004 (2004-02-24), pages 22684 - 22692, XP002605887, ISSN: 0021-9258
- See references of WO 2007038636A2

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