

Title (en)

PHYTOESTROGENIC FORMULATIONS AND USES THEREOF

Title (de)

PHYTOÖSTROGENFORMULIERUNGEN UND IHRE VERWENDUNG

Title (fr)

FORMULATIONS PHYTO- STROGÉNIQUES POUR SOULAGER OU PRÉVENIR DES MALADIES NEURODÉGÉNÉRATIVES

Publication

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Application

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Priority

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- US 94319007 P 20070611

Abstract (en)

[origin: WO2008016768A1] Select phytoestrogen pharmaceutical compositions and methods of use for promoting neurological health and prevention of age-related neurodegeneration, such as AD, have been developed. These select phytoestrogen formulations are composed of a number of plant-derived estrogenic molecules and/or their structural analogues and exhibit binding preference to ER β over ER α and agonist activity in the brain. These ER β -selective phytoestrogen formulations cross the blood-brain-barrier and promote estrogen-associated neurotrophism and neuroprotection mechanisms in the brain, without activating proliferative mechanisms in the reproductive tissues and are therefore devoid of other estrogen-associated problematic aspects. The select phytoestrogen formulations are therapeutically useful to both women and men for sustaining neurological health and preventing age-related cognitive decline and neurodegenerative disorders, such as AD. These are administered enterally, transdermally, transmucosally, intranasally or parenterally, in a dosage effective to prevent or alleviate neuronal damage, effect neuronal regeneration or sustain viability, increase expression of anti-apoptotic proteins, and/or decrease indicators of Alzheimer's Disease. The formulations preferably contain combinations of compounds, and can be formulated for daily, sustained, delayed or weekly/monthly administration. In a preferred embodiment, these are administered to women who are in menopause or post menopausal, most preferably early in menopausal.

IPC 8 full level

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Citation (search report)

See references of WO 2008016768A1

Citation (examination)

CHIECHI L M ET AL: "Utility of dietary phytoestrogens in preventing postmenopausal osteoporosis", CURRENT TOPICS IN NUTRACEUTICAL RESEARCH, NEW CENTURY HEALTH PUBLISHERS, NEW ORLEANS, LA, US, vol. 3, no. 1, 1 January 2005 (2005-01-01), pages 15 - 28, XP001537660, ISSN: 1540-7535

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