

Title (en)
NITRONE FREE RADICAL TRAP TREATMENT OF DEMENTIA ASSOCIATED WITH AIDS VIRUS (HIV-1) INFECTION

Title (de)
BEHANDLUNG VON MIT AIDS-VIRUS (HIV-1) INFEKTION VERBUNDENEN DEMENZ MIT NITRONE ENTHALTENDEM FREIEN RADIKALEN FALLE

Title (fr)
TRAITEMENT DE LA DEMENCE ASSOCIEE A L'INFECTION PAR LE VIRUS DU SIDA (VIH-1) AU MOYEN DE PIEGES A RADICAUX LIBRES A BASE DE NITRONE

Publication
EP 0949915 A4 20010704 (EN)

Application
EP 97920402 A 19970417

Priority
• US 9706253 W 19970417
• US 1570996 P 19960417

Abstract (en)
[origin: WO9738683A1] Nitrone-based free radical traps are disclosed to have activity as therapeutic and prophylactic agents in the treatment of neuronal damage associated with HIV-1 virus infection, referred to in advanced stages as dementia associated with AIDS infection or AIDS Dementia Complex (ADC).

IPC 1-7
A61K 31/165; A61K 31/135; A61K 31/44

IPC 8 full level
A61K 31/135 (2006.01); **A61K 31/167** (2006.01); **A61K 31/44** (2006.01); **A61K 31/4412** (2006.01)

CPC (source: EP)
A61K 31/135 (2013.01); **A61K 31/167** (2013.01); **A61K 31/44** (2013.01); **A61K 31/4412** (2013.01)

Citation (search report)
• [X] WO 9105552 A1 19910502 - OKLAHOMA MED RES FOUND [US], et al
• [X] US 5185324 A 19930209 - RUEGER WOLFGANG [DE], et al
• [A] US 5314917 A 19940524 - MICHAELS EDWIN BERNARD [US], et al
• [X] TABATABAIE TAHEREH ET AL: "In vivo trapping of nitric oxide in the brain of neonatal rats treated with the HIV-1 envelope protein gp 120: Protective effects of alpha-phenyl-tert-butyl nitrone.", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 221, no. 2, 1996, pages 386 - 390, XP000991161, ISSN: 0006-291X
• [A] THOMAS, CRAIG E. ET AL: "In vitro and in vivo activity of a novel series of radical trapping agents in model systems of CNS oxidative damage", ANN. N. Y. ACAD. SCI. (1994), 738(NEUROBIOLOGY OF NO.BUL. AND.BUL.OH), 243-249, 1994, XP000992143
• [A] YUE, TIAN LI ET AL: "Neuroprotective effects of phenyl-t-butyl-nitron in gerbil global brain ischemia and in cultured rat cerebellar neurons", BRAIN RES. (1992), 574(1-2), 193-7, 1992, XP000992139
• [PX] FLOYD R A ET AL: "The neurotoxic role of nitric oxide in AIDS dementia and stroke and the prevention of its formation by alpha-phenyl-tert-butyl nitron (PBN).", SOCIETY FOR NEUROSCIENCE ABSTRACTS, vol. 22, no. 1-3, 1996, 26th Annual Meeting of the Society for Neuroscience; Washington, D.C., USA; November 16-21, 1996, pages 2141, XP000998212, ISSN: 0190-5295
• See references of WO 9738683A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9738683 A1 19971023; AU 2460697 A 19971107; AU 725432 B2 20001012; CA 2251800 A1 19971023; EP 0949915 A1 19991020; EP 0949915 A4 20010704; NZ 332315 A 20000327

DOCDB simple family (application)
US 9706253 W 19970417; AU 2460697 A 19970417; CA 2251800 A 19970417; EP 97920402 A 19970417; NZ 33231597 A 19970417