

Title (en)
CANNABIMIMETIC LIPID AMIDES AS USEFUL MEDICATIONS

Title (de)
CANNABIMIMETISCHE LIPIDAMIDE ALS ARZNEIMITTEL

Title (fr)
AMIDES LIPIDIQUES CANNABIMIMETIQUES S'UTILISANT COMME MEDICAMENTS

Publication
EP 1049474 A4 20041229 (EN)

Application
EP 99961838 A 19991124

Priority
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• US 10961598 P 19981124

Abstract (en)
[origin: WO0032200A1] Novel analogs of arachidonylethanolamide are presented which have higher affinities for the cannabinoid CB1 and/or CB2 receptor sites. Further, most of the analogs exhibit greater metabolic stability than arachidonylethanolamide. The improved receptor affinity and selectivity and/or greater metabolic stability make these analogs therapeutically useful as medications for relief of pain caused by cancer and nausea caused by chemotherapy, as well as for peripheral pain. The compounds may also be useful as oral and topical contraceptives, in suppression of the immune system, enhancement of appetite and in treatment of psychomotor disorders, multiple sclerosis and hypertension.

IPC 1-7
A61K 31/555; **A61K 31/535**; **A61K 31/495**; **A61K 31/44**; **A61K 31/40**; **A61K 31/16**; **C07D 265/30**; **C07D 241/00**; **C07D 211/00**; **C07D 207/00**; **C07C 231/00**; **C07C 233/00**

IPC 8 full level
A61K 31/16 (2006.01); **C07C 233/05** (2006.01); **C07C 233/09** (2006.01); **C07C 233/13** (2006.01); **C07C 233/20** (2006.01); **C07C 235/06** (2006.01); **C07C 247/04** (2006.01)

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Citation (search report)
• [Y] WO 9412466 A1 19940609 - YISSUM RES DEV CO [IL], et al
• [Y] HANUS L. ET AL.: "Two new unsaturated fatty acid ethanolamides in brain that bind to the cannabinoid receptor", JOURNAL OF MEDICINAL CHEMISTRY., vol. 36, no. 20, 1993, USAMERICAN CHEMICAL SOCIETY. WASHINGTON., pages 3032 - 3034, XP002303407
• [Y] MECHOULAM R ET AL: "TOWARDS CANNABINOID DRUGS - REVISITED", PROGRESS IN MEDICINAL CHEMISTRY, ELSEVIER, AMSTERDAM, NL, vol. 35, 3 July 1998 (1998-07-03), pages 199 - 243, XP009024019, ISSN: 0079-6468
• [PX] LIN S. ET AL.: "Novel analogues of arachidonylethanolamide (Anandamide): affinities for the CB1 and CB2 cannabinoid receptors and metabolic stability", JOURNAL OF MEDICINAL CHEMISTRY., vol. 41, no. 27, 31 December 1998 (1998-12-31), USAMERICAN CHEMICAL SOCIETY. WASHINGTON., pages 5353 - 5361, XP002303408
• See references of WO 0032200A1

Designated contracting state (EPC)
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