

Title (en)
NEUROTROPHIC TACROLIMUS ANALOGS

Title (de)
NEUROTROPHE TACROLIMUS ANALOGE

Title (fr)
ANALOGUES DE TACROLIMUS NEUROTROPHIQUES

Publication
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Application
EP 01991558 A 20011231

Priority
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Abstract (en)
[origin: WO02053159A1] Tacrolimus derivatives having high levels of neurotrophic activity and low levels of immunosuppressive activity. These compounds are useful as neurotrophic agents, particularly, for preventing or treating neuronal injury/dysfunction.

IPC 1-7
A61K 31/436; **A61P 25/00**; **A61P 25/28**

IPC 8 full level
A61J 1/14 (2006.01); **A61K 31/44** (2006.01); **A61K 31/70** (2006.01); **B65D 77/00** (2006.01); **A61P 3/10** (2006.01); **A61P 21/00** (2006.01); **A61P 21/02** (2006.01); **A61P 25/00** (2006.01); **A61P 25/14** (2006.01); **A61P 25/16** (2006.01); **A61P 25/18** (2006.01); **A61P 25/28** (2006.01); **B65D 77/28** (2006.01); **C07H 7/06** (2006.01)

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A61K 31/44 (2013.01 - EP KR); **A61P 3/10** (2018.01 - EP); **A61P 21/00** (2018.01 - EP); **A61P 21/02** (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 25/02** (2018.01 - EP); **A61P 25/14** (2018.01 - EP); **A61P 25/16** (2018.01 - EP); **A61P 25/18** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 37/06** (2018.01 - EP)

Citation (search report)
• [PX] WO 0105385 A2 20010125 - FUJISAWA PHARMACEUTICAL CO [JP], et al
• [X] EP 0323042 A1 19890705 - FISIONS PLC [GB]
• [X] WO 9314771 A1 19930805 - FISIONS PLC [GB]
• [XY] WO 9404148 A1 19940303 - FISIONS PLC [GB]
• [Y] STEINER ET AL: "Neurotrophic actions of non-immunosuppressive analogs of immunosuppressive drugs FK506, rapamycin and cyclosporin A", NATURE MEDICINE, NATURE PUBLISHING, CO, US, vol. 3, no. 4, April 1997 (1997-04-01), pages 421 - 428, XP002125244, ISSN: 1078-8956
• [Y] GOLD B G: "NEUROIMMUNOPHILIN LIGANDS: EVALUATION OF THEIR THERAPEUTIC POTENTIAL FOR THE TREATMENT OF NEUROLOGICAL DISORDERS", EXPERT OPINION ON INVESTIGATIONAL DRUGS, ASHLEY PUBLICATIONS LTD., LONDON, GB, vol. 9, no. 10, 2000, pages 2331 - 2342, XP001011856, ISSN: 1354-3784
• See also references of WO 02053159A1

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WO 02053159 A1 20020711; AR 035411 A1 20040526; AU 2002231277 B2 20061130; BR 0116762 A 20040810; CA 2433384 A1 20020711; CN 1293877 C 20070110; CN 1538843 A 20041020; CZ 20032060 A3 20040114; EP 1353671 A1 20031022; EP 1353671 A4 20040714; HU P0302521 A2 20031128; HU P0302521 A3 20070328; IL 156664 A0 20040104; JP 2004527472 A 20040909; KR 100794204 B1 20080114; KR 20040007431 A 20040124; KR 20070030331 A 20070315; MX PA03005941 A 20050214; NO 20032913 D0 20030624; NZ 527209 A 20050930; PL 366301 A1 20050124; RU 2003123493 A 20050120; RU 2288716 C2 20061210; ZA 200305806 B 20050126

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