

Title (en)  
METHOD FOR TREATING MULTIPLE SCLEROSIS

Title (de)  
THERAPIE DER MULTIPLLEN SKLEROSE

Title (fr)  
METHODE DE TRAITEMENT DE LA SCLEROSE EN PLAQUES

Publication  
**EP 1043994 A4 20020911 (EN)**

Application  
**EP 99900751 A 19990106**

Priority  
• US 9900126 W 19990106  
• US 7067698 P 19980107

Abstract (en)  
[origin: WO9934797A1] A method for treating multiple sclerosis comprising administering compounds of Formula (I) where X4 is a 1-substituted cyclohexyl group and the other groups are ethers or thioethers or a compound of Formula (II) where W is an aliphatic group of 2 to 6 carbons and R3 is an acid, amide or aromatic or heteroaromatic group and Z is exemplified by an alcohol or alcohol derivative.

IPC 1-7  
**A61K 31/41**; **A61K 31/235**; **A61K 31/165**; **A61K 31/075**; **A61K 31/19**; **A61K 31/215**; **A61K 31/38**; **A61K 31/425**; **A61K 31/44**; **A61K 31/505**

IPC 8 full level  
**A61K 31/075** (2006.01); **A61K 31/165** (2006.01); **A61K 31/192** (2006.01); **A61K 31/216** (2006.01); **A61K 31/275** (2006.01); **A61K 31/381** (2006.01); **A61K 31/41** (2006.01); **A61K 31/4245** (2006.01); **A61K 31/426** (2006.01); **A61K 31/433** (2006.01); **A61K 31/4409** (2006.01); **A61K 31/505** (2006.01); **A61P 25/00** (2006.01); **C07C 255/46** (2006.01); **C07D 257/04** (2006.01); **C07D 271/06** (2006.01); **C07D 271/10** (2006.01); **C07D 285/12** (2006.01)

CPC (source: EP)  
**A61K 31/075** (2013.01); **A61K 31/165** (2013.01); **A61K 31/192** (2013.01); **A61K 31/216** (2013.01); **A61K 31/381** (2013.01); **A61K 31/41** (2013.01); **A61K 31/4245** (2013.01); **A61K 31/426** (2013.01); **A61K 31/433** (2013.01); **A61K 31/4409** (2013.01); **A61K 31/505** (2013.01); **A61P 25/00** (2017.12)

Citation (search report)  
• [Y] WO 9619990 A1 19960704 - SMITHKLINE BEECHAM CORP [US], et al  
• [Y] DATABASE MEDLINE [online] 1 August 1997 (1997-08-01), EKHOLM D ET AL: "Differential expression of cyclic nucleotide phosphodiesterase 3 and 4 activities in human T cell clones specific for myelin basic protein.", XP002205622, Database accession no. NLM9233651 & JOURNAL OF IMMUNOLOGY (BALTIMORE, MD.: 1950) UNITED STATES 1 AUG 1997, vol. 159, no. 3, 1 August 1997 (1997-08-01), pages 1520 - 1529, ISSN: 0022-1767  
• [Y] DATABASE MEDLINE [online] October 1997 (1997-10-01), SOMMER N ET AL: "Therapeutic potential of phosphodiesterase type 4 inhibition in chronic autoimmune demyelinating disease.", XP002205623, Database accession no. NLM9357447 & JOURNAL OF NEUROIMMUNOLOGY. NETHERLANDS OCT 1997, vol. 79, no. 1, October 1997 (1997-10-01), pages 54 - 61, ISSN: 0165-5728  
• See references of WO 9934797A1

Designated contracting state (EPC)  
BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)  
**WO 9934797 A1 19990715**; AU 2026299 A 19990726; CA 2317548 A1 19990715; EP 1043994 A1 20001018; EP 1043994 A4 20020911; JP 2002500187 A 20020108

DOCDB simple family (application)  
**US 9900126 W 19990106**; AU 2026299 A 19990106; CA 2317548 A 19990106; EP 99900751 A 19990106; JP 2000527246 A 19990106