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EP2007/005597

25.06.07

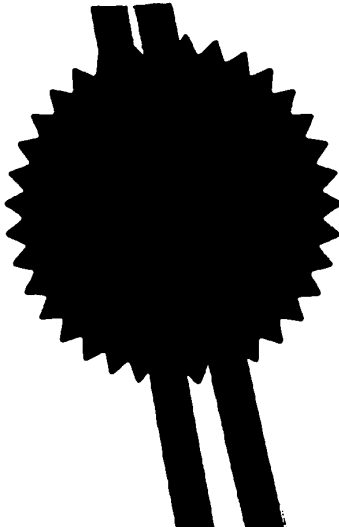
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*Andrew Gersey*

Signed

Dated 17 April 2007

Patents Form 1/77

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Request for grant of a patent

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The Patent Office

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South Wales  
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Application number GB

1. Your reference: 50279P1 **0612721.1**  
(optional)

2. Full name, address and postcode of the applicant or of each applicant (underline all surnames):  
Novartis AG  
Lichtstrasse 35  
CH - 4056 Basel  
Switzerland

Patents ADP number (if you know it): 7125487005

If the applicant is a corporate body, give the country/state of its incorporation: Switzerland

3. Title of the invention: Organic Compounds

4. Name of your agent (if you have one):  
Novartis Pharmaceuticals UK Limited  
Patents and Trademarks  
Wimblehurst Road  
Horsham, West Sussex  
RH12 5AB  
Patents ADP number (if you know it): 07181522002

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

5. Priority declaration: Are you claiming priority from one or more earlier-filed patent applications? If so, please give details of the application(s):

Country	Application number (if you know it)	Date of filing (day / month / year)
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6. Divisionals etc: Is this application a divisional application, or being made following resolution of an entitlement dispute about an earlier application? If so, please give the application number and filing date of the earlier application:

Number of earlier UK application	Date of filing (day / month / year)
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7. Inventorship: (Inventors must be individuals not companies) (Please tick the appropriate boxes)

Are all the applicants named above also inventors? YES  NO

If yes, are there any other inventors? YES  NO

8. Are you paying the application fee with this form? YES  NO

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9. Accompanying documents: not counting duplicates, please enter the number of pages of each item accompanying this form:

Continuation sheets of this form:

Description:

16

Claim(s):

1

Abstract:

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If you are **not** filing a description, please give details of the previous application you are going to rely upon:

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Priority documents:

Statement of inventorship and right to grant of a patent (Patents Form 7/77):

Request for search (Patents Form 9A/77):

1

Request for substantive examination (Patents Form 10/77):

Any other documents:  
(please specify)

11. I/We request the grant of a patent on the basis of this application.

Signature(s):



Date:

27/06/2006

12. Name, e-mail address, telephone, Fax and/or mobile number, if any, of a contact point for the applicant:

Mrs S Schnerr

phone: 01403 323 069

fax : 01403 323 623

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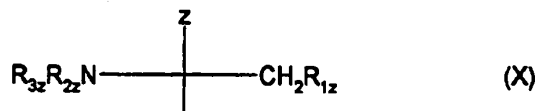
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Organic Compounds

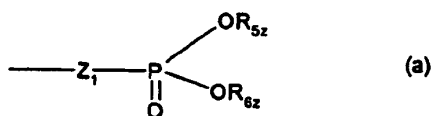
The present invention relates to the use of an S1P receptor modulator in the treatment or prevention of neo-angiogenesis associated with a demyelinating disease, e.g. multiple sclerosis.

S1 P receptor modulators are typically sphingosine analogues, such as 2-substituted 2-amino- propane-1,3-diol or 2-amino-propanol derivatives, e. g. a compound comprising a group of formula X

Sphingosine-1 phosphate (hereinafter "S1P") is a natural serum lipid. Presently there are eight known S1P receptors, namely S1P1 to S1P8. S1 P receptor modulators are typically sphingosine analogues, such as 2-substituted 2-amino- propane-1,3-diol or 2-amino-propanol derivatives, e. g. a compound comprising a group of formula X



wherein Z is H, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, phenyl, phenyl substituted by OH, C<sub>1-6</sub>alkyl substituted by 1 to 3 substituents selected from the group consisting of halogen, C<sub>3-6</sub>cycloalkyl, phenyl and phenyl substituted by OH, or CH<sub>2</sub>-R<sub>4z</sub> wherein R<sub>4z</sub> is OH, acyloxy or a residue of formula (a)



wherein Z<sub>1</sub> is a direct bond or O, preferably O;

each of R<sub>5z</sub> and R<sub>6z</sub>, independently, is H, or C<sub>1-4</sub>alkyl optionally substituted by 1, 2 or 3 halogen atoms;

R<sub>1z</sub> is OH, acyloxy or a residue of formula (a); and each of R<sub>2z</sub> and R<sub>3z</sub> independently, is H, C<sub>1-4</sub>alkyl or acyl.

Group of formula X is a functional group attached as a terminal group to a moiety which may be hydrophilic or lipophilic and comprise one or more aliphatic, alicyclic, aromatic and/or heterocyclic residues, to the extent that the resulting molecule wherein at least one

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