

Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/EP2007/005597

International filing date: 25 June 2007 (25.06.2007)

Document type: Certified copy of priority document

Document details: Country/Office: GB
Number: 0612721.1
Filing date: 27 June 2006 (27.06.2006)

Date of receipt at the International Bureau: 16 July 2007 (16.07.2007)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland

EP2007/005597

25.06.07

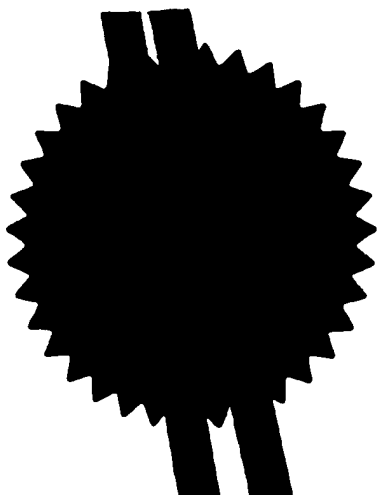
Concept House
Cardiff Road
Newport
South Wales
NP10 8QQ

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with patent application GB0612721.1 filed on 27 June 2006.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

In accordance with the rules, the words "public limited company" may be replaced by p.l.c., plc, P.L.C. or PLC.

Re-registration under the Companies Act does not constitute a new legal entity but merely subjects the company to certain additional company law rules.



Andrew Gersy

Signed

Dated 17 April 2007

Patents Form 1/77

Patents Act 1977
(Rule 16)



1/77

Request for grant of a patent

(An explanatory leaflet on how to fill in this form is available from the Patent Office)

The Patent Office

Cardiff Road
Newport
South Wales
NP10 8QQ

Application number GB

1. Your reference:
(optional)

50279P1

0612721.1

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):

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

Novartis Pharmaceuticals UK Limited
Patents and Trademarks
Wimblehurst Road
Horsham, West Sussex
RH12 5AB
07181522002 ✓

Patents ADP number (if you know it):

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)

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)

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

Patents Form 1/77

Patents Form 1/77

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:

Drawing(s):

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

Country

Application number

Date of filing
(day / month / year)

10. If you are also filing any of the following, state how many against each item.

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

Warning

After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you are resident in the United Kingdom and your application contains information which relates to military technology, or would be prejudicial to national security or the safety of the public, section 23 of the Patents Act 1977 prohibits you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.

Notes

A leaflet on how to fill in this form is available from the Patent Office. If you would like a copy of the leaflet it is available on our website at <http://www.patent.gov.uk/patent/info/fact05.pdf> or alternatively you could telephone 08459 500505 or send an email to enquiries@patent.gov.uk to request a copy.

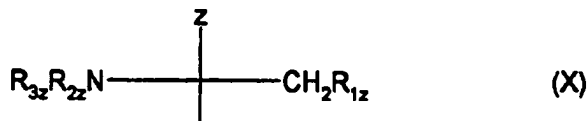
Patents Form 1/77

Organic Compounds

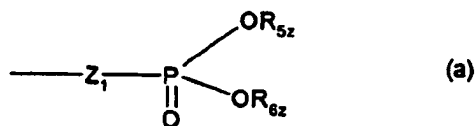
The present invention relates to the use of an S1P receptor modulator in the treatment or prevention of neo-angiogenesis associated with a demyelinating disease, e.g. multiple sclerosis.

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, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, phenyl, phenyl substituted by OH, C₁₋₆alkyl substituted by 1 to 3 substituents selected from the group consisting of halogen, C₃₋₆cycloalkyl, phenyl and phenyl substituted by OH, or CH₂-R_{4z} wherein R_{4z} is OH, acyloxy or a residue of formula (a)



wherein Z₁ is a direct bond or O, preferably O;

each of R_{5z} and R_{6z}, independently, is H, or C₁₋₄alkyl optionally substituted by 1, 2 or 3 halogen atoms;

R_{1z} is OH, acyloxy or a residue of formula (a); and each of R_{2z} and R_{3z} independently, is H, C₁₋₄alkyl 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

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.