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8th European Conference of Health and Medical Libraries



Electronic Patents in Pharma Research and Development

Dr. Thies-Peter Engelhardt

Bayer AG

Pharma Research Europe

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Electronic Patents in Pharma Research and Development



Global Implementation of MicroPatent „TOPS“ for Bayer Life Science

TOPS = **T**otal **o**n Demand **P**atent **S**olution

a two step approach

MicroPatent Bayer TOPS:

Step I

- * **Intranet link to selected EP, PCT and US e-patents** from MicroPatent via Investigational Drug Database (Iddb)
- * **Use of MicroPatent e-Patent Service** in internet with over 33 Mio e-patents via SID intranet on a **pay-per-view** basis per e-patent
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All

- Anti-Infectives
- Biological & Immunologicals
- Cardiovascular & Renal
- Central & Peripheral Nervous Systems
- Oncological, Endocrine & Metabolic
- Pulmonary-Allergy, Dermatological & GI

Anti-Infectives

- A process for the isomerization of an N-7 isomer into an N-9 isomer useful in the synthesis of acyclic nucleosides. ID patents Lupin EP-00976751 Full Patent
- Novel derivatives of carbapenem antibiotics. ID patents Pfander,HR EP-00976751
- Antibacterial substance BE-65932 and its method of production. ID patents Banyu
- Treatment of group A streptococcal infections with compositions containing group C

Horizons Diagnostics US-06017528 Full Patent

- Heterocyclic carbodithioepoxydamic compounds useful for inhibition of the replicat

Patent

- Novel injectable formulations for treating bacterial infections. ID patents Bioscience
- A process for preparing quinolone and naphthoquinone carboxylic acids. ID patents

List of titles per section

Focal Point: Novel Compounds
Currency: 2-3 weeks after issued patent/appl.

Attractive patent summary

Link to fulltext

EP-00976751 Lupin Laboratories Ltd

A process for the isomerization of an N-7 isomer into an N-9 isomer useful in the synthesis of acyclic nucleosides.

Publication Date: 2nd February 2000

Original Title: A process for the isomerisation of an N-7 isomer into an N-9 isomer useful in the synthesis of acyclic nucleosides.

Indication: Viral infection, Herpesvirus infection

Action: Viral replication inhibitor

Technology: Stereochemistry, Synthesis, chemical

Novelty

A process for the conversion of three N-7-alkyl-N2-ac appropriate alkylating agent at 100 to 110 degreesC for is claimed. Two of the N-9-alkyl isomers are key intermedi agents especially effective against herpesvirus infections reaction is stated to provide a higher N-9/N-7 isomer ratio during the synthesis of acyclic nucleoside drugs.

Biology

No biological data are presented.

Chemistry

Isomerization of N2-acetyl- 7- [(2- acetoxyethoxy)methyl] diacetoxy- 3- acetoxyethyl- 2- oxa- butane at 100 to 91.44% conversion to the N-9 isomer with 4.5% of the to the N-9 isomer occurred, with only 2.72% of the N-

Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 0 976 751 A1**

EUROPEAN PATENT APPLICATION

(43) **Date of publication:** 02.02.2000 **Bulletin 2000/05** (51) **Int. Cl.7:** C07D 473/18

(21) **Application number:** 99116909.5

(22) **Date of filing:** 09.04.1996

(84) **Designated Contracting States:** CH DE FR GB IT LI

(62) **Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:** 96302472.4 / 0 806 425

(71) **Applicant:**

- Joshi, Narendra Sriram, Lupin Laboratories Ltd. Raiesn, M.P., India 462 046 (IN)
- Thombre, Pravin Sahadev, Lupin Laboratories Ltd. Raiesn, M.P., India 462 046 (IN)
- Rawat, Ajay Singh, Lupin Laboratories Ltd.

SID-Intranet e-Patent Order Form

PH-R SID IRIS/CASIS Patent Fast Alert - Search Results - Netscape

Datei Bearbeiten Ansicht Gehe Communicator Hilfe

- Title: [IL-8 receptor antagonists](#)
Company: SmithKline Beecham Corp Pat.No.: WO-9749680-A
- Title: [Gene delivery and expression in areas inaccessible to direct protein delivery](#)
Company: Vanderbilt University Pat.No.: WO-9817321-A
- Title: [IL-8 receptor antagonists](#)
Company: SmithKline Beecham Corp Pat.No.: WO-9822439-A
- Title: [5-\(2-Imidazolylamino\)benzimidazole compounds useful as alpha adrenoceptor agonists](#)
Company: Procter & Gamble Co Pat.No.: WO-9846595-A
- Title: [New combination of antiasthma medications](#)
Company: Astra AB Pat.No.: WO-9900134-A
- Title: [IL-8 receptor antagonists](#)
Company: SmithKline Beecham Corp Pat.No.: WO-9906354-A
- Title: [Use of oxandrolone in the treatment of chronic obstructive pulmonary disease](#)
Company: Bio-Tech General Corp Pat.No.: US-5872147 9
- Title: [New use for budesonide and formoterol](#)
Company: Astra AB Pat.No.: WO-9915182-A
- Title: [Use of substituted amidino compounds in the treatment of chronic obstructive pulmonary disease](#)
Company: Novartis AG, & et al Pat.No.: WO-9930695-A
- Title: [Benzazepine derivatives phosphodiesterase 4 inhibitors](#)
Company: Zambon Group SpA Pat.No.: WO-9932449-A
- Title: [Phthalazine derivatives phosphodiesterase 4 inhibitors](#)
Company: Zambon Group SpA Pat.No.: WO-9932449-A

http://bph06.bayer.com/Database/Search/IRIS-CASIS/ID/PatentFastAlert1_#53465hp_14F

Patent database in
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Bookmarks Symbols Tickers

1: Bibliography

US005872147A

United States Patent [10] [11] Patent Number: **5,872,147**

Bowen [45] Date of Patent: **Feb. 16, 1999**

[54] USE OF OXANDROLONE IN THE TREATMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE 4,914,106 4/1990 Shibata et al. 514-453
5,086,916 3/1992 Skript 514-401

OTHER PUBLICATIONS

[75] Inventor: Robert E. Bowen, Martinsburg, W. Va. Desforges, Current Concepts, vol. 328, pp. 1017-1022, 1993.

[73] Assignee: Bio-Technology General Corp., Iselin, N.J. New England J. of Med., pp. 1017-1021, 1993. Ann of Intern. Med., vol. 114, pp. 216-223, 1991.

[21] Appl. No.: 986,015 Primary Examiner—James H. Reamer

[22] Filed: Dec. 5, 1997 Attorney, Agent, or Firm—John P. White; Cooper & Dunham LLP

Related U.S. Application Data

[57] ABSTRACT

[60] Provisional application No. 60/032,107 Dec. 5, 1996. The subject invention provides a method of treating a symptom associated with chronic obstructive pulmonary disease in a patient suffering from chronic obstructive pulmonary disease which comprises administering a therapeutically effective amount of an oxandrolone to the patient.

[51] Int. Cl.⁷ A61K 31/335

[52] U.S. Cl. 514-453, 514-174

[58] Field of Search 514-453, 174

References Cited

U.S. PATENT DOCUMENTS

3,128,283 4/1964 Pappo 514-453
4,039,608 8/1977 Fuchs et al. 514-177
4,376,733 3/1983 Feiner 549-268

15 Claims, No Drawings

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Micropatent Bayer TOPS: **Step II**



- * **No systematic inhouse storage of e-patents** from MicroPatent currently **allowed, but required for various projects**
 - * Increased **need to:**
 - **conduct fulltext retrieval in patent files**
 - **install links from numerous intranet files and e-journals to original e-patents**
 - **calculate with flat rate**
-

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- * Several **major Pharma companies** of PDR Group already **have global deals with MicroPatent** or are in an advanced negotiation phase
- * they are increasingly using **fulltext searching for patent retrieval** (including gene sequences) and are also making it **available to end-users**.
- * EP Patent Office uses MicroPatent

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MicroPatent „TOPS“ for Bayer Life Science

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- **Europe (EP):** 1988-current week
- **PCT (World):** 1983-current week
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- **Europe (EP):** 1978-present
- **PCT (World):** 1978-present
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- Bibliographic data, family records and classifications are searchable.
- Legal status data from 28 patent-issuing organisations are also included.

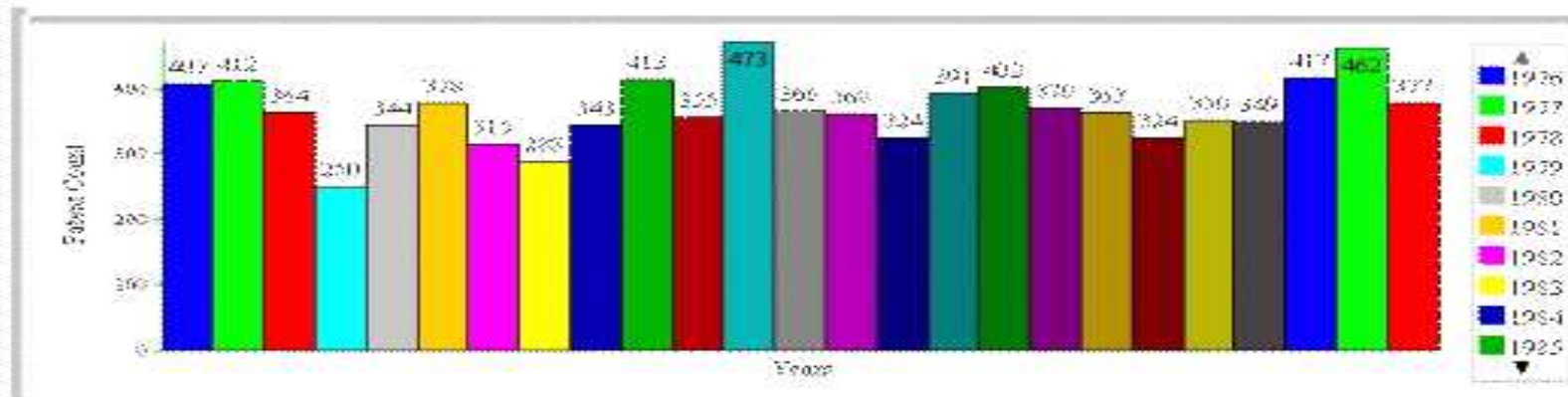
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HTTPS	++	+	+
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