Abstract:

The composition can be formulated for topical application, injection, or implantation.

Title:

TREATING INFECTIONS AND SEQUELAE THEREOF WITH COMBINED DISSOCIATED GLUCOCORTICOID RECEPTOR AGONISTS AND ANTI-INFECTIVE AGENTS

Abstract:

A composition for treating, controlling, reducing, ameliorating, or alleviating infections and their inflammatory sequelae comprises a dissociated glucocorticoid receptor agonist ("DIGRA") and an anti-infective agent, such as an antibacterial, antiviral, antifungal, antiprotozoal agent, or a combination thereof. The composition can be formulated for topical application, injection, or implantation.
**A. CLASSIFICATION OF SUBJECT MATTER**

INV. A61K31/4725 A61K45/06 A61P27/00 A61P31/00 A61P31/04 A61P33/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, CHEM ABS Data, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>Y</td>
<td>page 1, line 19 - line 21 page 5, line 23 - line 28 page 14, line 3 - line 8 page 16, line 13 - line 14 page 17, line 7 page 18, line 24 - line 31 page 19, line 5 - line 12</td>
<td>39,43,44</td>
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Further special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" later document used to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "A" document member of the same patent family

Date of the actual completion of the international search: 16 June 2008

Date of mailing of the international search report: 04/08/2008

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INTERNATIONAL SEARCH REPORT

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. [X] Claims Nos.:
   because they relate to subject matter not required to be searched by this Authority, namely:
   Although claims 45-61 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

2. [ ] Claims Nos.:
   because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. [ ] Claims Nos.:
   because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

   see additional sheet

1. [ ] As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. [ ] As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. [ ] As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. [X] No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

   see annex

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:


The composition of claim 6 wherein the DIGRA of formula (I) comprises A and Q which are independently selected from the group consisting of aryl and heteroaryl groups substituted with at least a halogen atom, cyano group, hydroxy group, or Cl-C10 alkoxy group; R1, R2 and R3 independently selected from the group consisting of unsubstituted and substituted Cl-C5 alkyl groups; B is a Cl-C5 alkyne group; D is the -NH or -NR' group, wherein R' is a Cl-C5 alkyl group; and E is the hydroxy group.

2. claims: 1-12 (partially), 15 (partially), 37-39 (partially), 45-53 (partially), 56 (partially), 78-79 (partially), 80-81 (partially), 83 (partially)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 15, in which notably R3 comprises a completely halogenated Cl-C10 alkyl group, and wherein all the compounds of the formula overlapping with earlier defined invention 1 are considered to pertain to this earlier defined invention on 1.

3. claims: 1-12 (partially), 21 (total), 37-39 (partially), 45-53 (partially), 62 (total), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 21 and wherein any compound falling within this definition and pertaining to earlier defined invention(s) is considered to fall within the first defined invention to which it pertains.

4. claims: 1-12 (partially), 22 (total), 37-39 (partially), 45-53 (partially), 63 (total), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 22 and wherein any compound falling within this definition and pertaining to earlier defined invention(s) is considered to fall within the first defined invention to which it pertains.
5. claims: 1-12 (partially), 23 (total), 37-39 (partially), 45-53 (partially), 64 (total), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 23 and wherein any compound falling within the first defined invention(s), is considered to fall within the first defined invention to which it pertains.

6. claims: 1-12 (partially), 24 (total), 37-39 (partially), 45-53 (partially), 65 (total), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 24 and wherein any compound falling within the first defined invention(s), is considered to fall within the first defined invention to which it pertains.

7. claims: 1-12 (partial), 25 (total), 37-39 (partial), 45-53 (partial), 66 (total), 78-79 (partial), 80-81 (partial)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 25 and wherein any compound falling within the first defined invention(s), is considered to fall within the first defined invention to which it pertains.

8. claims: 1-12 (partially), 26 (total), 37-39 (partially), 45-53 (partially), 67 (total), 78-79 (partial), 80-81 (partial)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 26 and wherein any compound falling within the first defined invention(s), is considered to fall within the first defined invention to which it pertains.

9. claims: 1-12 (partially), 27 (total), 37-39 (partially), 45-53 (partially), 68 (total), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (I) of claim 27 and wherein any compound falling within the first defined invention(s), is considered to fall within the first defined invention to which it pertains.
10. claims: 1-12 (partially), 28 (totally), 37-39 (partially),
        45-53 (partially), 69 (totally), 78-79
        (partially), 80-81
        (partially)

The composition of claim 6 wherein the DIGRA has Formula (I)
of claim 28 and wherein any compound falling within this
definition and pertaining to earlier defined invention(s),
is considered to fall within the first defined invention to
which it pertains.

11. claims: 1-12 (partially), 29 (totally), 37-39 (partially),
        45-53 (partially), 70 (totally), 78-79
        (partially), 80-81
        (partially)

The composition of claim 6 wherein the DIGRA has Formula (I)
of claim 29 and wherein any compound falling within this
definition and pertaining to earlier defined invention(s),
is considered to fall within the first defined invention to
which it pertains.

12. claims: 1-12 (partially), 30 (totally), 37-39 (partially),
        45-53 (partially), 71 (totally), 78-79
        (partially), 80-81
        (partially)

The composition of claim 6 wherein the DIGRA has Formula (I)
of claim 30 and wherein any compound falling within this
definition and pertaining to earlier defined invention(s),
is considered to fall within the first defined invention to
which it pertains.

13. claims: 1-12 (partially), 31 (totally), 37-39 (partially),
        45-53 (partially), 72 (totally), 78-79
        (partially), 80-81
        (partially)

The composition of claim 6 wherein the DIGRA has Formula (I)
of claim 31 and wherein any compound falling within this
definition and pertaining to earlier defined invention(s),
is considered to fall within the first defined invention to
which it pertains.

14. claims: 1-12 (partially), 32 (totally), 37-39 (partially),
        45-53 (partially), 73 (totally), 78-79
        (partially), 80-81
        (partially)
The composition of claim 6 wherein the DIGRA has Formula (I) of claim 32 and wherein any compound falling within this definition and pertaining to earlier defined invention(s), is considered to fall within the first defined invention to which it pertains.

15. claims: 1-12 (partially), 33 (totally), 37-39 (partially), 45-53 (partially), 74 (totally), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (II) of claim 33 and wherein any compound falling within this definition and pertaining to earlier defined invention(s), is considered to fall within the first defined invention to which it pertains.

16. claims: 1-12 (partially), 34 (totally), 37-39 (partially), 45-53 (partially), 75 (totally), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (II) of claim 34 and wherein any compound falling within this definition and pertaining to earlier defined invention(s), is considered to fall within the first defined invention to which it pertains.

17. claims: 1-12 (partially), 35 (totally), 37-39 (partially), 45-53 (partially), 76 (totally), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (II) of claim 35 and wherein any compound falling within this definition and pertaining to earlier defined invention(s), is considered to fall within the first defined invention to which it pertains.

18. claims: 1-12 (partially), 36 (totally), 37-39 (partially), 45-53 (partially), 77 (totally), 78-79 (partially), 80-81 (partially)

The composition of claim 6 wherein the DIGRA has Formula (II) of claim 36 and wherein any compound falling within this definition and pertaining to earlier defined invention(s), is considered to fall within the first defined invention to which it pertains.
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