



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/US87/01371 (22) International Filing Date: 10 June 1987 (10.06.87) (31) Priority Application Number: 872,812 (32) Priority Date: 11 June 1986 (11.06.86) (33) Priority Country: US (71) Applicant: ALDER RESEARCH CENTER CORPORATION [US/US]; 165 New Boston Street, Woburn, MA 01801 (US). (72) Inventor: DRIEDGER, Paul, E. ; 30 Symmes Street, Winchester, MA 01890 (US). (74) Agent: DeCONTI, Giulio, A., Jr.; Hamilton, Brook, Smith & Reynolds, Two Militia Drive, Lexington, MA 02173 (US).		(81) Designated States: AT (European patent), AU, BE (European patent), CH (European patent), DE (European patent), DK, FI, FR (European patent), GB (European patent), HU, IT (European patent), JP, KR, LU (European patent), NL (European patent), NO, SE (European patent). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 19 May 1988 (19.05.88)
(54) Title: ANTI-INFLAMMATORY COMPOSITIONS (57) Abstract Compounds having anti-inflammatory and other activities. The compounds are derived from diterpenes, indol alkaloids, polyacetates, diaminobenzyl alcohols, diacylglycerol and bryostatins.		

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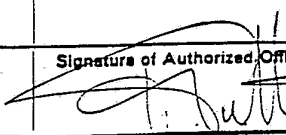
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 87/01371

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) ⁶				
According to International Patent Classification (IPC) or to both National Classification and IPC				
IPC ⁴ : C 07 C; C 07 D; A 61 K 31/00				
II. FIELDS SEARCHED				
Minimum Documentation Searched ⁷				
Classification System	Classification Symbols			
IPC ⁴	C 07 C; C 07 D			
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched ⁸				
III. DOCUMENTS CONSIDERED TO BE RELEVANT ⁹				
Category ¹⁰	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³		
X	Journal of the American Oil Chemists' Society, volume 61, no. 7, July 1984, G.T. Marshall et al.: "Short-chain phorbol ester constituents of croton oil", pages 1220-1225 see the whole document -----	69		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <p>¹⁴ * Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width: 50%; border: none; vertical-align: top;"> <p>"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</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"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.</p> <p>"Z" document member of the same patent family</p> </td> </tr> </table>			<p>¹⁴ * Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"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.</p> <p>"Z" document member of the same patent family</p>
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IV. CERTIFICATION				
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report			
22nd February 1988	26 APR 1988			
International Searching Authority	Signature of Authorized Officer			
EUROPEAN PATENT OFFICE	 P.C.G. VAN DER PUTTEN			

FURTHER INFORMATION CONTINUED FROM THE SECOND SHEET

V. OBSERVATIONS WHERE CERTAIN CLAIMS WERE FOUND UNSEARCHABLE ¹

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

1. Claim numbers because they relate to subject matter not required to be searched by this Authority, namely:

2. Claim numbers 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:

See Additional Sheet.

3. Claim numbers because they are dependent claims and are not drafted in accordance with the second and third sentences of PCT Rule 6.4(a).

VI. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING ²

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

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

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

3. 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 claim numbers:

4. As all searchable claims could be searched without effort justifying an additional fee, the International Searching Authority did not invite payment of any additional fee.

Remark on Protest

- The additional search fees were accompanied by applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/210 (Supplemental sheet (2))

The ISA is of the opinion that these claims infringe PCT Art. 5 and 6 and most of the provisions of the corresponding rules 5 and 6. Moreover, a meaningful search for these claims is impossible for the following reasons:

- claims 1-8,65,68:
a chemical cannot be defined by its biological activity alone, nor by ill-defined terms as 'parent compound', if structural characteristics are possible. The same applies for the preparation of the thus defined compounds (Lack of clarity PCT Art. 5,6, Rule 6).
- claim 9:
the claims shall be clear on concise (PCT Art. 6), which is manifestly not the case: this claim is incomprehensible due to its drafting containing proviso upon proviso and this for 57 pages.
- claims 10,12,16-18,21,22,24,26-29,32-38,40,41,43,44,46-48,51-55,58-61,64:
are incomprehensible as claim 9 to which they refer does not contain the parts P₀ nor S₀.
- claims 11,13,15,20,23,25,30,39,42,45,50,57,63,70:
are not, or only partially, based on the description (PCT Art. 6).
- claims 14,19,30,49,56,62:
are incomprehensible as neither of the claims to which they refer contain the part E₀.
- claim 66:
is not acceptable (PCT Rule 39.1(IV)).
- claims 67,68:
are so general that, together with the proviso's they are so unclear as to make them unsearchable.