



(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention  
of the grant of the patent:  
**18.10.2006 Bulletin 2006/42**

(51) Int Cl.:  
**A61K 31/137<sup>(2006.01)</sup> A61P 11/06<sup>(2006.01)</sup>**  
**A61P 17/00<sup>(2006.01)</sup> A61P 17/06<sup>(2006.01)</sup>**  
**A61P 19/02<sup>(2006.01)</sup>**

(21) Application number: **00985264.1**

(86) International application number:  
**PCT/EP2000/013347**

(22) Date of filing: **21.12.2000**

(87) International publication number:  
**WO 2001/045693 (28.06.2001 Gazette 2001/26)**

(54) **USE OF CARBOXY COMPOUNDS SUCH AS 2(4-ACETOXYPHENYL)-2-CHLORO-N-METHYL-ETHYLAMMONIUM CHLORIDE AS ANTI-INFLAMMATORY AGENTS**

VERWENDUNG VON CARBOXY VERBINDUNGEN WIE 2(4-ACETOXYPHENYL)-2-CHLORO-N-METHYL-ETHYLAMMONIUM CHLORID ALS ENTZÜNDUNGSHEMMENDE MITTEL

UTILISATION DE COMPOSES DE CARBOXY TELS LA CHLORURE DE 2(4-ACETOXYPHENYLE)-2-CHLORO-N-METHYLE-ETHYLAMMONIUM EN TANT QU'AGENTS ANTI-INFLAMMATOIRES

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**

(30) Priority: **21.12.1999 EP 99204433**

(43) Date of publication of application:  
**18.09.2002 Bulletin 2002/38**

(73) Proprietor: **UNIVERSITEIT GENT  
9000 Gent (BE)**

(72) Inventors:  
• **DE BOSSCHER, Karolien  
B-9620 Zottegem (BE)**  
• **VANDEN BERGHE, Wim  
B-9050 Gentbrugge (BE)**  
• **HAEGEMAN, Guy  
B-9860 Balegem (BE)**

(74) Representative: **Bird, Ariane et al  
Bird Goën & Co  
Klein Dalenstraat 42A  
3020 Winksele (BE)**

(56) References cited:  
**WO-A-98/14200 DE-A- 4 335 523**  
**GB-A- 1 600 639**

- **PATENT ABSTRACTS OF JAPAN vol. 014, no. 188 (C-0710), 17 April 1990 (1990-04-17) & JP 02 032016 A (TSUMURA & CO), 1 February 1990 (1990-02-01)**
- **A. LOUW ET AL: "Mechanism for the Stabilization in Vivo of the Aziridine Precursor 2-(4-Acetoxyphenyl)-2-chloro-N-methyl-ethylammonium Chloride by Serum Proteins" BIOCHEMICAL PHARMACOLOGY, vol. 53, 1997, pages 189-197, XP000986498 cited in the application**
- **A. LOUW ET AL: "Influence of an aziridine Precursor on the In Vitro Binding Parameters of Rat and Ovine Corticosteroid Globulin (CBG)" BIOCHEMICAL PHARMACOLOGY, vol. 59, 15 January 2000 (2000-01-15), pages 167-175, XP000986497 cited in the application**
- **A. LOUW ET AL: "Salsola tuberculiformis Botschantzev and an Aziridine Precursor Analog Mediate the in Vivo Increase in Free Corticosterone and Decrease in Corticosteroid-Binding Globulin in Female Wistar Rats" ENDOCRINOLOGY, vol. 140, no. 5, 1999, pages 2044-2053, XP000986444 cited in the application**
- **P. SWART ET AL: "Inhibition of Cytochrome P-450 11-beta by Some naturally Occuring Acetophenones and Plant Extracts from the Shrub salsola tuberculiformis" PLANTA MEDICA, vol. 59, no. 2, April 1993 (1993-04), pages 139-143, XP000986462**

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).