

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| (51) International Patent Classification <sup>6</sup> :<br><b>A61K 31/495, 31/50, 31/445, 31/44, 31/41, 31/275, 31/19, 31/535</b>                                                                                                                                                                              |  | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (11) International Publication Number: <b>WO 98/25615</b>           |
|                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (43) International Publication Date: <b>18 June 1998 (18.06.98)</b> |
| (21) International Application Number: <b>PCT/US97/21953</b>                                                                                                                                                                                                                                                   |  | (81) Designated States: <b>AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b> |                                                                     |
| (22) International Filing Date: <b>2 December 1997 (02.12.97)</b>                                                                                                                                                                                                                                              |  | <b>Published</b><br><i>With international search report.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                     |
| (30) Priority Data:<br>✓ 60/034,269      13 December 1996 (13.12.96)      US<br>✓ 60/040,874      21 March 1997 (21.03.97)      US                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |
| (71) Applicant (for all designated States except US): <b>ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).</b>                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |
| (72) Inventors; and<br>(75) Inventors/Applicants (for US only): <b>FLEISCH, Jerome, H. [US/US]; 10532 Coppergate, Carmel, IN 46032 (US); JACKSON, William, T. [US/US]; 7036 Bexley Drive, Indianapolis, IN 46256 (US); SAWYER, Jason, S. [US/US]; 5718 North Winthrop Avenue, Indianapolis, IN 46220 (US).</b> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |
| (74) Agents: <b>PALMBERG, Arleen et al.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).</b>                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |

(54) Title: **LEUKOTRIENE ANTAGONISTS FOR ORAL SQUAMOUS CELL CARCINOMA**

## (57) Abstract

This invention provides methods for the treatment or inhibition of oral squamous cell carcinoma which comprises administering to a mammal in need thereof an effective amount of a compound having activity as a leukotriene B<sub>4</sub> antagonist.