

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
10 April 2003 (10.04.2003)

PCT

(10) International Publication Number  
**WO 03/028667 A3**

- (51) International Patent Classification<sup>7</sup>: **A61K 31/56**
- (21) International Application Number: PCT/US02/31997
- (22) International Filing Date: 4 October 2002 (04.10.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/327,423 4 October 2001 (04.10.2001) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**  
— of inventorship (Rule 4.17(iv)) for US only
- Published:**  
— with international search report
- (88) Date of publication of the international search report:  
13 November 2003
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



**WO 03/028667 A3**

(54) Title: SEMISOLID TOPICAL HORMONAL COMPOSITIONS AND METHODS FOR TREATMENT

(57) Abstract: Semisolid topical pharmaceutical compositions comprising a therapeutically effective amount of a mammalian hormone and an effective amount of a penetration enhancer and methods for their use are provided. The pharmaceutical compositions and methods for their use can provide blood or plasma levels of the administered hormone within a predetermined or normal range of hormone values. In particular embodiments, the hormone is testosterone or estrogen and the amount to be applied to the skin of the subject is determined according to the weight or body mass index of the subject. The topical composition can be formulated in solutions, creams, lotions, ointments, and gels.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US02/31997

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61K 31/56  
 US CL : 514/177

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)  
 U.S. : 514/177

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 practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 6,319,913 B1 (MAK et al.) 20 November 2001 (20.11.01), see the entire document.	1-44

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

11 December 2002 (11.12.2002)

Date of mailing of the international search report

28 MAR 2003

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