IPDS COPY 98:2577-8

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 471/10, A61K 31/445 — A1

(11) International Publication Number: WO 97/15574

(43) International Publication Date: 1 May 1997 (01.05.97)

(21) International Application Number: PCT/US96/16955

(22) International Filing Date: 23 October 1996 (23.10.96)

(30) Priority Data:

60/005,900	27 October 1995 (27.10.95)	US
9603361.8	16 February 1996 (16.02.96)	GB

(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), 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).

Published
With international search report.

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(54) Title: POLYMORPHIC FORMS OF A GROWTH HORMONE SECRETAGOGUE

(57) Abstract

This invention is concerned with polymorphic forms of the compound N-[1(R)-[(1,2-dihydro-1-methanesulfonylspiro[3H-indole-3,4'-piperdin]-1'-yl)carbonyl]-2-(phenylmethyloxy)ethyl]-2-amino-2-methylpropanamide methanesulfonate which is a growth hormone secretagogue that is useful in food animals to promote their growth thereby rendering the production of edible meat products more efficient, and in humans, to treat physiological or medical conditions characterized by a deficiency in growth hormone secretion, and to treat medical conditions which are improved by the anabolic effects of growth hormone. The instant polymorphic forms have advantages over the other known forms of N-[1(R)-[(1,2-dihydro-1-methanesulfonylspiro[3H-indole-3,4'-piperdin]-1'-yl)carbonyl]-2-(phenylmethyloxy)-ethyl]-2-amino-2-methylpropanamide methanesulfonate in terms of thermodynamic stability and suitability for inclusion in pharmaceutical formulations. The present invention is also concerned with processes for preparing these polymorphic forms, pharmaceutical formulations comprising these polymorphic forms as active ingredients and the use of the polymorphic form of the compound and their formulations in the treatment of certain disorders.