PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 7/16, 38/02

A1

(11) International Publication Number: **WO 00/06108**

(43) International Publication Date: 10 February 2000 (10.02.00)

(21) International Application Number: PCT/AU99/00608

(22) International Filing Date: 29 July 1999 (29.07.99)

(30) Priority Data:
PP 4947 29 July 1998 (29.07.98) AU

(71) Applicant *(for all designated States except US)*: PACIFIC BIOLINK PTY. LIMITED [AU/AU]; 7/42 Leighton Place, Hornsby, NSW 2077 (AU).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: BANNISTER, Dennis, James [AU/AU]; 59 Laycock Street, Mount Pleasant, NSW 2749 (AU).

(74) Agent: SPRUSON & FERGUSON; G.P.O. Box 3898, Sydney, NSW 2001 (AU).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: CASEIN FORMULATIONS FOR THE DELIVERY OF BIOACTIVE CONSTITUENTS

(57) Abstract

The present invention provides a formulation for the delivery of bioactive constituents to biological surfaces, wherein said formulation comprises a suspension or solution of at least one isolated and purified casein protein or salt thereof, in water, together with at least one bioactive constituent.