**PCT** WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

6 MAR 2003

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : C07K 14/81, 5/10, 7/06, A61K 38/55, A61P 31/14 | A1

(11) International Publication Number: **WO 00/09558**

(43) International Publication Date: 24 February 2000 (24.02.00)

(21) International Application Number: PCT/CA99/00737

(22) International Filing Date: 9 August 1999 (09.08.99)

(30) Priority Data:
60/095,945 10 August 1998 (10.08.98) US

(71) Applicant *(for all designated States except US)*: BOEHRINGER INGELHEIM (CANADA) LTD. [CA/CA]; 2100 Cunard Street, Laval, Québec H7S 2G5 (CA).

(71)(72) Applicants and Inventors: LLINAS-BRUNET, Montse [CA/CA]; 14 Rushbrooke, Dollard-Des-Ormeaux, Québec H9B 3K6 (CA). BAILEY, Murray, D. [CA/CA]; 344 Groulx, Pierrefonds, Québec H8Y 1B3 (CA). CAMERON, Dale [CA/CA]; 493 de l'Erablière, Rosemère, Québec J7A 4M4 (CA). GHIRO, Elise [CA/CA]; 768 Pierre, Laval, Québec H7X 3L8 (CA). GOUDREAU, Nathalie [CA/CA]; 416 Graham, Mont-Royal, Québec H3P 2C9 (CA). POUPART, Marc-André [CA/CA]; 101 Aimé Séguin, Vimont, Québec H7M 1B3 (CA). RANCOURT, Jean [CA/CA]; 6400 de l'Aiglon, Laval, Québec H7L 4W2 (CA). TSANTRIZOS, Youla, S. [CA/CA]; 1590 Champigny, Saint-Laurent, Québec H4L 4P7 (CA).

(74) Agent: BERNIER, Louise, G.; Boehringer Ingelheim (Canada) Ltd., Patent Dept., 2100 Cunard Street, Laval, Québec H7S 2G5 (CA).

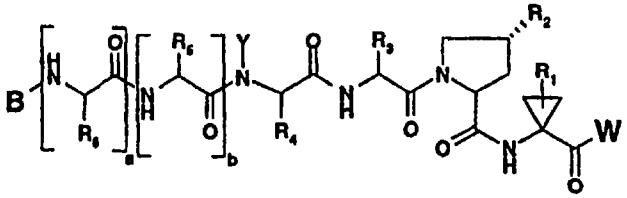
(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, 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.*

*Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*

(54) Title: HEPATITIS C INHIBITOR PEPTIDES



(I)

(57) Abstract

Formula (I) wherein a is 0 or 1; b is 0 or 1; Y is H or $C_{1-6}$ alkyl; B is H, an acyl derivative or a sulfonyl derivative; W is hydroxy or a N-substituted amino; or a pharmaceutically acceptable salt or ester thereof, for use in the treatment of hepatitis C virus (HCV) infection.



*G00002*



*162162*