



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 35/60	A1	(11) International Publication Number: WO 95/32722 (43) International Publication Date: 7 December 1995 (07.12.95)
(21) International Application Number: PCT/CA95/00233 (22) International Filing Date: 21 April 1995 (21.04.95) (30) Priority Data: 08/234,019 28 April 1994 (28.04.94) US 08/384,555 3 February 1995 (03.02.95) US (71) Applicant: LES LABORATOIRES AETERNA INC. [CA/CA]; 456 Marconi Street, Parc Jean-Talon, Quebec, Quebec G1N 4A8 (CA). (72) Inventors: DUPONT, Eric; 141, de la Presqu'île, St-Nicolas, Quebec G0S 2Z0 (CA). BRAZEAU, Paul; 12460, Odette Oligny, Montreal, Quebec H4J 9Z7 (CA). DUBUC, Christian; Apartment 203, 787 Gingras Street, Ste-Foy, Quebec G1X 3T5 (CA). (74) Agents: DUBUC, Jean, H. et al.; Goudreau Gage Dubuc & Martineau Walker, 3400 The Stock Exchange Tower, Victoria Square, P.O. Box 242, Montreal, Quebec H4Z 1E9 (CA).		(51) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG). Published With international search report. <i>SL 9611790-8</i> <i>RTMPL</i> <i>copy</i> <i>+ PERT</i> <i>Annexes</i>
(54) Title: EXTRACTS OF SHARK CARTILAGE HAVING AN ANTI-ANGIOGENIC ACTIVITY AND AN EFFECT ON TUMOR REGRESSION; PROCESS OF MAKING THEREOF (57) Abstract The present invention relates to shark cartilage extracts and to a method of producing the same, these extracts having anti-angiogenic properties (reduction of the area of blood vessels observed <i>in vivo</i> on experimentally induced tumors), tumor regressive activity <i>in vivo</i> as well as demonstrating a direct inhibitory effect on tumor cell lines. This process does not involve any denaturing solvent or product and does not involve the use of any enzymes. It consists of obtaining a blend of whole cartilage in an aqueous solution of neutral pH, preferably pure water, this blend being centrifuged and the pellet and supernatant kept for further processing. The pellet is lyophilized and tested for anti-tumor and anti-angiogenic activities <i>in vivo</i> and <i>in vitro</i>, with or without supernatant. The supernatant has been shown to have anti-angiogenic and tumor regressive activities <i>in vivo</i>. The composition of the supernatant has then been investigated by different ways. Fractionation of this supernatant led to the characterization of some of its active components. The fractions were tested for their direct <i>in vitro</i> activity on cancer cell lines. Therefore, it is assumed that the non-fractionated supernatant has such an <i>in vitro</i> activity. Lyophilization substantially destroys the activity of these liquid fractions while no such abolition is observed in the solid extract.		

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