

Title (en)

METHOD FOR PREPARING AN EXTRACT OF HEVEA LATEX AND COMPOSITION THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES EXTRAKTS AUS HEVEA LATEX UND ZUSAMMENSETZUNG DARAUS

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN EXTRAIT DE LATEX D'HÉVÉA

Publication

**EP 3510052 A4 20200617 (EN)**

Application

**EP 16915342 A 20160902**

Priority

TH 2016000075 W 20160902

Abstract (en)

[origin: WO2018044242A1] The present disclosure provides for the method of preparing, from serum of calendered acidified Hevea latex, an extract that is rich in low-molecular weight carbohydrates and having anti-cancer activity. The method comprises the steps of: obtaining the serum released when acidified Hevea latex is calendered; optionally removing debris and micro-organisms from the serum; removing proteins; removing quebrachitol and small polar molecules; optionally dissolving the remaining solid powder in water; further removing proteins by treatment with acid; optionally neutralizing the excess acid; precipitating with solvent; collecting the precipitate; and optionally freeze drying the precipitate. The disclosure also provides for the method of treating cancer growth and/or metastasis and the method of inhibiting tumor cell proliferation in a patient. Furthermore, there are provided a pharmaceutical composition and a functional food composition comprising the disclosed extract of Hevea latex.

IPC 8 full level

**C08C 1/02** (2006.01); **A61K 36/47** (2006.01); **A61P 35/00** (2006.01); **C08C 1/04** (2006.01); **C08C 2/02** (2006.01); **C08L 7/02** (2006.01)

CPC (source: EP)

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Citation (search report)

- [ID] VERONICA LAM UNIVERSITI ET AL: "Cell Viability Assay Guided Fractionation of Natural Rubber Latex Sera WNT signaling pathway View project Metal oxide Nanoparticles View project Sunderasan Elumalai Malaysian Rubber Board 49 PUBLICATIONS547 CITATIONS SEE PROFILE Ming Thong Ong", 1 January 2013 (2013-01-01), XP055691813, Retrieved from the Internet <URL:https://www.researchgate.net/profile/Sunderasan\_Elumalai/publication/256706810\_Cell\_Viability\_Assay\_Guided\_Fractionation\_of\_Natural\_Rubber\_Latex\_Sera/links/00b7d523aaeb14aa3c000000/Cell-Viability-Assay-Guided-Fractionation-of-Natural-Rubber-Latex-Sera.pdf> [retrieved on 20200505]
- [T] S. BELLACICCO ET AL: "The Sugar and Polyol Composition of Hevea Brasiliensis Latex Depends on the Clonal Origin of the Tree", JOURNAL OF RUBBER RESEARCH, vol. 21, no. 3, 1 September 2018 (2018-09-01), MY, pages 224 - 235, XP055691814, ISSN: 1511-1768, DOI: 10.1007/BF03449172
- See also references of WO 2018044242A1

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