

Title (en)
METHOD FOR OBTAINING AN OIL THAT IS RICH IN HYDROXYOCTADECADIENOIC FATTY ACIDS (HODE) OR THE ESTERS THEREOF FROM A MIXTURE CONTAINING LINOLEIC ACID OR THE ESTERS THEREOF

Title (de)
VERFAHREN ZUR GEWINNUNG VON EINEM MIT HYDROXYOCTADECADIENSÄUREN (HODE) ODER IHREN ESTERN ANGEREICHERTEN ÖL AUS EINEM LINOLSÄURE ODER IHRE ESTER ENTHALTENDEN ÖLARTIGEN GEMISCH

Title (fr)
PROCEDE D'OBTENTION D'UNE HUILE ENRICHEE EN ACIDES GRAS HYDROXYOCTADECADIENOIQUES (HODE) OU DE SES ESTERS, A PARTIR D'UN MELANGE HUILEUX CONTENANT DE L'ACIDE LINOLEIQUE, OU SES ESTERS

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Application
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Abstract (en)
[origin: US6348609B1] A method for obtaining an oil that is rich in hydroxyoctadecadienoic(HODE) fatty acids or the esters thereof. According to the inventive method, controlled oxidation of the linoleic acid and/or the linolenic acid or the esters thereof is performed in the presence of an oxidation catalyst. The oxidation is terminated when the HODE content or total ester content is more than 5 % and/or the 9-hydroxy-10,12-octadecadienoic(9-HODE) acid isomer or ester content is more than 1.5 % and reduction occurs for the hydroperoxides formed during the oxidation reaction by a reducer. The invention can be used as a medicament, food supplement or cosmetic.

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