

Title (en)

METHOD FOR PRODUCING CYCLIC PEPTIDES FROM IN VITRO PLANT CELL CULTURES

Title (de)

VERFAHREN ZUR PRODUKTION ZYKLISCHER PEPTIDE VON IN-VITRO-PFLANZENZELLKULTUREN

Title (fr)

METHODE DE PRODUCTION DE PEPTIDES CYCLIQUES A PARTIR DE CULTURES CELLULAIRES VEGETALES IN VITRO

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005108596A1] The present invention relates to a method for producing cyclic peptides, polypeptides or proteins in an in vitro culture system of plant origin Violaceae species, Cucurbitaceae species or Rubiaceae species comprising the following steps: (1) cultivating a plant cell or tissue culture derived from callus, organ, embryonic, suspension or single cell cultures, in one or more nutrient media, (2) inducing expression of one or more said cyclic peptides, polypeptides or proteins, (3) recovering one or more said cyclic peptides, polypeptides or proteins from said cell or tissue culture or said medium of said cell or tissue cultures, or both and wherein the cyclic peptides, polypeptides or proteins have a cyclic cysteine knot or its chemical or structural equivalent and at least three disulfide bonds.

IPC 8 full level

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See references of WO 2005108596A1

Citation (examination)

SEYDEL ET AL: "Gewinnung von Viola tricolor-Zellkulturen zur Produktion zyklischer Peptide", DECHEMA WORKSHOP, PHYTOEXTRAKTE - PRODUKTE UND PROZESSE (POSTER), 2004, FRANKFURT

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