

Title (en)
METHOD FOR THE PRODUCTION OF AN ACTIVE MOLECULE VECTOR USED TO DIFFUSE ACTIVE SUBSTANCES AND VECTOR THUS OBTAINED

Title (de)
VERFAHREN ZUR HERSTELLUNG VON VEKTORMOLEKULEN VERWENDBAR ALS WIRKSTOFFEN IM GEBIET DER DIFFUSION UND DER ERHALTENE VEKTOR

Title (fr)
PROCEDE DE FABRICATION D'UN VECTEUR DE MOLECULES ACTIVES APPLICABLE DANS LE DOMAINE DE LA DIFFUSION DE PRINCIPES ACTIFS ET VECTEUR OBTENU

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Application
EP 03810013 A 20031223

Priority
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Abstract (en)
[origin: FR2849043A1] A method for the production of a vector for active molecules by polycondensation of (A) a diamine in which the amino groups are separated by at least 4 carbons with (B) glutaraldehyde involves carrying out the reaction at pH 6.5-7.5. A method for the production of a vector for active molecules for use in biomedical applications involves (a) diluting a monomer containing at least two NH₂ groups separated by at least 4 carbons with water, (b) adjusting to pH 6.5-7.5, (c) adding glutaraldehyde, (d) reacting by polycondensation with imine formation and (e) working up the polymer obtained, i.e. poly-(monomer-G), where G represents reduced glutaraldehyde. An Independent claim is also included for vectors as above, comprising poly-(ornithine-G), poly-(L-lysine-G) or poly-(citrulline-G) (i.e. poly-(monomer-G)) grafted with active molecules such as fatty acids, antioxidants, vitamins, hormones, medicaments or neuro-transmitters to provide bacteriostatic, anti-allergenic, anti-parasite, anti-predator, antifungal, anti-inflammatory or immunomodulant activity.

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C08G 12/02; A61K 47/48

IPC 8 full level
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