

Title (en)
NOVEL LIPOSOME VECTORS OF ACTIVE PRINCIPLES

Title (de)
NEUE LIPOSOMALE VEKTOREN FÜR WIRKSTOFFE

Title (fr)
NOUVEAUX VECTEURS LIPOSOMAux DE PRINCIPES ACTIFS

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Application
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Abstract (en)
[origin: FR2764508A1] The invention concerns liposome vectors, in powder form, of active principles, and more particularly active principles sensitive to digestive and/or plasmatic degradation, such as proteins, and their application as medicine. Said liposome vectors of active principles consist of a powder composition essentially constituted of unilamellar liposomes comprising an external lipid phase consisting of class 4 lipids (phospholipids), optionally associated with class 2 substances, class 3 substances and/or class 5 substances and an internal aqueous nucleus consisting of a mixture M of at least two different non-polymerisable gelling agents (G1 and G2) whereof the gel-sol phase transition is not less than 37 DEG C, G1 being selected among gelatines and carrageenans and G2 being selected among carrageenans with properties different from the carrageenans selected for G1, and celluloses, which liposomes have a diameter ranging between 20 nm and 1 μ m, preferably between 20 nm and 500 nm; said composition having the form of particulate units with an average particle diameter between 10 μ m and 1000 μ m, formed by one or several of said liposomes, enclosed in a sheath selected in the group consisting of a dehydrated thermoreversible aqueous gel identical to said internal nucleus aqueous gel, dextrins or a mixture thereof, such that they contain, on an average, 10<16> to 10<18> liposomes per gram of powder; and at least an active principle contained, as the case may be, either in the gelled internal nucleus or in the external lipid phase.

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