

Title (en)

WATER SOLUBLE NANOPARTICLES INCLUSION COMPLEXES

Title (de)

WASSERLÖSSLICHE NANOPARTIKELEINSCHLUSSKOMPLEXE

Title (fr)

NANOPARTICULES HYDROSOLUBLES ET LEUR PROCEDE DE PRODUCTION

Publication

EP 1670516 A2 20060621 (EN)

Application

EP 04770581 A 20040929

Priority

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Abstract (en)

[origin: WO2005030257A2] Nano-dispersions of water-soluble and stable nano-sized particles are provided comprising hydrophilic inclusion complexes of an active compound in a non-crystalline state surrounded by and entrapped within an amphiphilic polymer. The inclusion complex is stabilized by non-valent interactions between the active compound and the polymer. The following pairs of active compound/amphiphilic polymers are provided: (i) azithromycin/ a polysaccharide or polyvinyl alcohol, or clarithromycin/alginate or chitosan; (ii) donepezil hydrochloride/ a polysaccharide; (iii) an azole compound/a polysaccharide, polyacrylic acid, a copolymer of polyacrylic acid, polymethacrylic acid and a copolymer of polymethacrylic acid; and (iv) a taxane/gelatin.

IPC 1-7

A61K 47/48; **A01N 43/653**; **A01N 25/04**; **A61P 31/04**; **A61P 25/28**; **A61P 31/10**; **A61P 5/32**; **A61P 35/00**

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CPC (source: EP)

A61K 47/6933 (2017.07); **A61K 47/6939** (2017.07); **A61K 47/6949** (2017.07); **A61P 5/32** (2017.12); **A61P 25/28** (2017.12); **A61P 31/04** (2017.12); **A61P 31/10** (2017.12); **A61P 35/00** (2017.12); **B82Y 5/00** (2013.01)

Citation (search report)

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