

Title (en)

AMPHIPHILIC NANOTUBES AND MICELLES COMPRISING SAME FOR USE IN THE DELIVERY OF BIOLOGICALLY ACTIVE AGENTS

Title (de)

AMPHIPHILE NANORÖHREN UND DIESE UMFASSENDE MICELLEN ZUR VERWENDUNG BEI DER ZUFUHR BIOLOGISCHER WIRKSTOFFE

Title (fr)

NANOTUBES AMPHIPHILES ET MICELLES LES COMPRENANT POUR L'ADMINISTRATION D'AGENTS BIOLOGIQUEMENT ACTIFS

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Application

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Abstract (en)

[origin: WO2007042833A2] A micelle formable from at least one nanotube in a process of self-assembly, the nanotube comprising an amphophilic nanotube (2, 8, 14) made from one or more species selected from the group of carbon, silicon, a noble metal, silicon dioxide and titanium dioxide. A part of the nanotube (2, 8, 14) is functionalised and a surfactant molecule or emulsifying agent is attached to the functionalised part. The nanotube (2, 8, 14) may have magnetic properties. A therapeutic agent may be incorporated in the micelle. The micelle may be coated to form a capsule (24). The capsule (24) can be introduced to the human or animal body for treatment of tumors or targeted drug delivery when a magnetic field or near-IR radiation is applied.

IPC 8 full level

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