

Title (en)
AMPHIPHILIC POLYAMINES, THE USE AND METHOD FOR SYNTHESIS THEREOF

Title (de)
AMPHIPHILE CHINOLYLPOLYAMINE ALS TRANSFERMITTEL FÜR BIOLOGISCH AKTIVE MAKROMOLEKÜLE

Title (fr)
POLYAMINES AMPHIPHILES, LEURS UTILISATIONS ET LEUR PROCEDE DE SYNTHESE

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Application
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Abstract (en)
[origin: WO0144198A1] Die vorliegende Erfindung betrifft amphiphile Polyamine und deren Salze, welche befähigt sind, Biopolymere wie DNA, RNA, Antisense-Oligonukleotide, Ribozyme, Proteine und Peptide zu komplexieren und in eukaryotische Zellen einzuschleusen. Hierbei erwiesen sich Polyaminochinolin-Derivate, welche mit lipophilen Gruppen modifiziert sind, als besonders geeignete Substanzklasse. Aufgrund ihrer Eigenschaft mit biologisch aktiven Molekülen, wie zum Beispiel DNA oder RNA, Aggregate zu bilden, eignen sich diese Verbindungen insbesondere für Anwendungen in der Gentherapie, aber auch für diagnostische Zwecke.
[origin: WO0144198A1] The invention relates to amphiphilic amines and the salts thereof, which may complex with biopolymers such as DNA, RNA, anti-sense oligonucleotides, ribozymes, proteins and peptides and transfer them into eucaryotic cells. Polyaminochinoline derivatives, which are modified with lipophilic groups are a particularly suited substance class. According to the invention, due to the property of forming aggregates with biologically active molecules such as, for example, DNA or RNA, said compounds are particularly suitable for use in gene therapy and, equally, for diagnostic purposes.

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