Title (en)

CONJUGATES COMPRISING CYTOKINES AND NUCLEIC ACIDS FOR TREATING PROLIFERATING CELLS

Title (de)

KONJUGATE AUS ZYTOKINEN UND NUKLEINSÄUREN ZUR THERAPIE VON ZELLPROLOFERATION

Title (fr)

PRODUITS DE THERAPIE GENIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0074724A2] A product comprising a proliferatively active moiety linked to genetic or nucleic acid material which is associated with protective material. The proliferatively active moiety is typically a cytokine or growth factor. The protective material may form a micelle, especially a liposome, which may encapsulate the nucleic acid material or be positively charged and hold the nucleic acid on its surface (a so-called lipoplex). One class of protective materials, therefore, comprises complexing materials and includes not only cationic liposomes but also other cationic materials, especially polymers. As suitable polymers there may be mentioned polylysine (especially poly-D-lysine), polylysine derivatives (e.g. phospholipid derivatives of, in particular, poly-L-lysine) and polyethyleneimine (PEI). Other suitable complexing agents are dendrimers, especially polyamidoamine dendrimers (which are cationic). The genetic or nucleic acid material may be a cytotoxic gene, a defect correction gene or an immunogene. Suitable cytotoxic genes are for expressing an enzyme to convert a prodrug into a toxic drug.

IPC 1-7

A61K 48/00

IPC 8 full level

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