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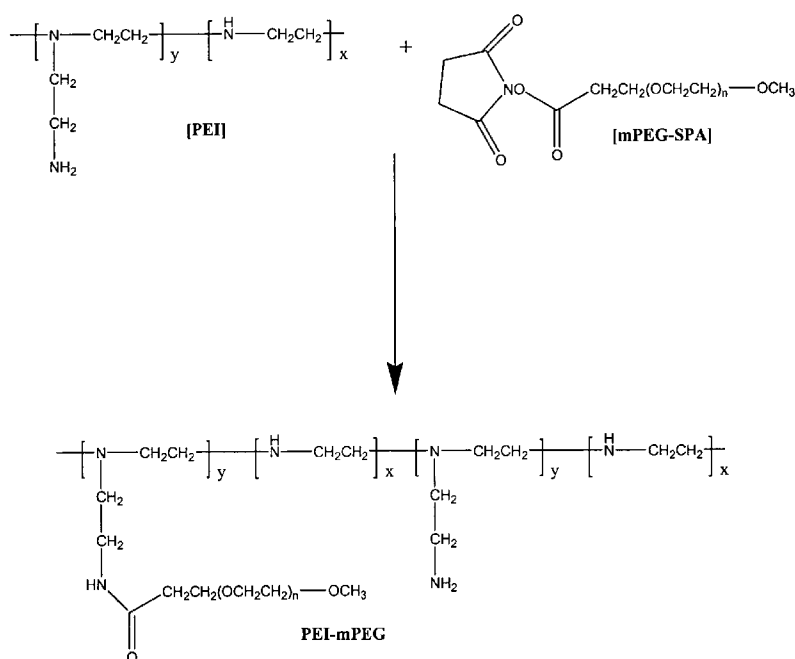
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(54) Title: POLYMER ENCAPSULATION OF ADENOVIRUSES



(57) **Abstract:** The present invention provides a copolymer that noncovalently encapsulates an adenovirus while improving its delivery and resulting expression from the viral genome. It has now been discovered that a copolymer of a cationic polymer, such as PEI, polylysine, DEAE-Dextran, and derivatives thereof, and a nonionic polymer, such as PEG and derivatives thereof, can improve both delivery and transgene expression of the adenovirus in cells. The complex of the invention provides an easy-to-produce material that is therapeutically more effective than an unencapsulated adenovirus.



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