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DNA Compaction Peptide

National Cancer Institute

Source

National Cancer Institute. *DNA Compaction Peptide*. NCI Thesaurus. Code C29717.

A synthetic peptide used to formulate and deliver deoxyribonucleic acids (DNA, usually in plasmid form) in gene therapy. The carrier peptides may condense plasmids into nanoparticles with a hydrodynamic diameter ranging from 40 to 200 nm, which are sterically stable for long periods of time. Peptide-based gene delivery systems are used for transfection in a variety of cell lines. (NCI04)