



# Chapter 6 - Protein Nanocarriers for Targeted Drug Delivery for Cancer Therapy

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## Abstract

This chapter describes how proteins can be used to provide effective targeted nanocarriers for drugs to target tumors. This approach offers an exciting framework for cancer therapies in the future, allowing multiple therapeutic agents and other functions to be combined in the same particle and ensuring a lower toxicity for the patient. The use of proteins provides a rich library of functional molecules to exploit in this methodology. The role of computer simulation to identify the best combination of protein, ligand, and drugs is highlighted.

## Keywords

Cancer therapy; Drug delivery; Nanoparticles; Proteins; Targeted delivery