EDITORIAL

NANO PHARMACEUTICALS

Numerous studies have concentrated on identifying and improving new medications that can accurately target disease sites. Nanotechnology significantly contributes to the effective delivery of therapeutic agents to these locations by addressing inherent limitations. Many medications encounter issues related to solubility, permeability, and bioavailability, which lead to less than ideal pharmacokinetics, especially regarding administration methods. Drug-loaded nano formulation devices can operate either as therapeutic agents themselves or as carriers for transporting various therapeutic agents to specific areas within the human body.

Nano pharmaceuticals, which utilize the principles of nanotechnology, have transformed drug delivery systems and therapeutic approaches in contemporary medicine. By employing nano carriers, these innovative formulations provide enhanced targeting capabilities, improved bioavailability, and reduced toxicity, successfully tackling key limitations of traditional therapies. The clinical achievements of numerous nano pharmaceuticals highlight their significant impact on health care.

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