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Nanotechnology for targeted delivery in cancer therapeutics

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Recent advances in nanotechnology has shown tremendous promise to revolutionize cancer therapeutics by generating new therapies that might allow more efficient targeted delivery of anticancer agents to kill cancerous cells or tumors and imaging agents for diagnosis of various cancers. But, before application of nanoparticle-based targeted delivery systems, significant challenges related to clinical toxicities should be taken in to consideration. This review highlights various new therapies in the context of advances in nanotechnology related to cancer therapeutics.

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