

Open Peer Review on Qeios

Quaternary Ammonium Polyethylenimine Nanoparticles

National Cancer Institute

Source

National Cancer Institute. <u>Quaternary Ammonium Polyethylenimine Nanoparticles</u>. NCI Thesaurus. Code C88305.

A crosslinked nanoparticle formulation containing quaternary ammonium polyethylenimine (QA-PEI) with potential antibacterial activity. The cationic polymer PEI kills bacteria by rupturing their cell membranes without the development of resistance. Quaternary ammonium polyethylenimine nanoparticles can be incorporated into dental composite resins or silicon obturator prostheses and may prevent or delay bacterial growth.

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