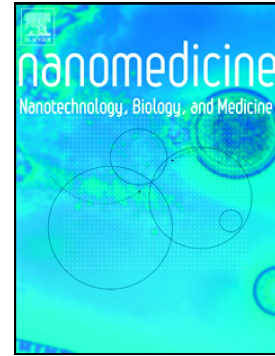


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Neuroprotective Effect of Gold Nanoparticles Composites in Parkinson's Disease Model

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Abbreviations: PC12 cells, Rat adrenal pheochromocytoma cells; SNCA, α -synuclein; pDNA, plasmid DNA; BBB, blood–brain barrier; GNP, gold nanoparticles; CTS, chitosan; DTPA, 3,3'-dithiodipropionic acid; NHS, N-hydroxysuccinimide; DTSP, dithiobis-(succinimidyl propionate); THF, Tetrahydrofuran; DMF, N,N-dimethylformamide; DCC, Dicyclohexylcarbodiimide; AAH, Azide aniline hydrochloride; DMSO, dimethyl sulfoxide; β -ME, 2-mercaptoethanol; NGF, Nerve growth factor; MPTP, 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine; MPP⁺, 1-methyl-4-phenylpyridinium; DTT, Dithiothreitol; TEMED, N,N,N',N'-Tetramethylethylenediamine; PMSF, Phenylmethanesulfonyl fluoride;

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