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# Preparation, Properties and Applications in Cell Imaging and Ions Detection of Conjugated Polymer Nanoparticles with Alcoxyl bonding Fluorene Core

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## Abstract

A novel conjugated polymer (PFP) comprised of fluorene, benzene and alcoxyl units was synthesized by a Suzuki coupling reaction between fluorene borate and dibromobenzene derivant. Due to its longer alcoxyl groups in the side chain, PFP polymer possesses good solubility in common organic solvents. Accordingly, conjugated polymer nanoparticles (CPNs)

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