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# Superhydrophilic and antibacterial zwitterionic polyamide nanofiltration membranes for antibiotics separation

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## ABSTRACT

Superhydrophilic and antibacterial zwitterionic polyamide thin film composite nanofiltration membranes (ZTFCMs) with excellent water permeability and antibiotics selectivity were prepared through the interfacial polymerization of N-aminoethyl piperazine propane sulfonate (AEPPS) monomer with trimesoyl chloride (TMC) monomer on top of polysulfone ultrafiltration supporting membranes (PSF-UF). Chemical structures of the ZTFCMs were evaluated by

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