A novel 1D zinc(II) coordination polymer \([\text{Zn(absa)}(\text{pcih})](\text{CH}_3\text{OH})\) (1) (Habsa = 4-aminobenzenesulfonic acid, Hpcih = 2-pyridinecarbaldehyde isonicotinoylhydrazone) has been synthesized by solvothermal reaction at 72 °C and structurally characterized. Each Zn\(^{2+}\) ion is five-coordinated by three N atoms and one O atom from two pcih ligands, and one O atom of an absa ligand, forming a distorted square-pyramidal geometry. Zn\(^{2+}\) ions are bridged by pcih ligands in a zig-zag arrangement generating infinite chains with appended absa ligands. Photoluminescent studies have shown that 1 exhibits an emission at 535 nm (\(\lambda_{\text{ex}} = 492\) nm).

**Key words:** Coordination Polymer, Photoluminescent Properties, Solvothermal Synthesis, Crystal Structure