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Chlorido(8-hydroxyquinoline- $2N,O$)(quinolin-8-olato- $2N,O$)zinc methanol monosolvate

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Abstract: In the title compound, $[Zn(C_9H_6NO)Cl(C_9H_7NO)] \cdot CH_3OH$, the Zn^{II} ion is N,O -chelated by both a neutral and a deprotonated quinolin-8-ol ligand, with a chloride ligand in the apical site completing the square-pyramidal coordination geometry. The Zn^{II} ion is displaced by 0.586 Å in the direction of the chloride ligand from the atoms forming the square plane. In the crystal, the components are linked by intermolecular O-H...O hydrogen bonds, generating chains along the b axis.