Zinc (Hydrogen- β -glutamate)-chloride Hydrate [Zn (β -GluH)Cl(H₂O)], a One-dimensional Coordination Polymer

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Zinc (hydrogen- β -glutamate) chloride hydrate is readily prepared from equimolar quantities of [Zn (β -GluH)₂] and ZnCl₂ in water. The crystal structure shows a coordination polymer with zinc atoms bridged by the 3-ammonio-glutarate ligand. The tetrahedral coordination sphere of the metal atom is completed by the chloride anion and the water molecule.

Key words: Zinc Complex, β -Glutamate Complex, Coordination Polymer, Bioinorganic Chemistry