Due to its strong pharmacological activity, benzothiazole––a bicyclic heterocyclic compound––is a unique synthetic material in medicinal chemistry.[ ] As a bioactive pharmacophore of numerous drugs, it has been thoroughly investigated for its biological properties, including its antimicrobial, anti–inflammatory, anti–HIV, analgesic, and lipid peroxidation inhibitor properties.By focusing on a wide range of possible active sites at the molecular level, these substances work as special, adaptable scaffolds for the creation of more recent medications that may have distinct mechanisms of action.[ ] On the other hand, the use of fluorescent Zn(II) complexes in materials for chemosensors [, ,] and light–emitting devices [,] has drawn attention recently.Preparation and characteristics of metallated polymers [,] and simple complexes [,] have thus been studied.This prompted us to enrich the family of oxamato .[, , , ,]zincate(II) complexes by synthesizing 3