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To Investigate the Synthesis and its Biological Effects of Coordination Compound Quinazolin-4-One with Cobalt (Ii)-Sulfate Salts

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ABSTRACT: the method of obtaining has been studied to investigate the synthesis and its biological effects of coordination compound with quinazolin-4-one cobalt (II)-sulfate salts, studied such compounds of cobalt, presented in this article, are very diverse, relatively persistent, very typical and named. Thanks to these properties, they played a huge role in the formation of the chemistry of coordinate compounds, in particular, in their study, the basic principles of the coordinating theory were determined.

KEYWORD: The method, synthesis, biological effects, coordination compound, quinazolin-4-one, cobalt (II)-sulfate, salt, particular, in their study, the basic principles, relatively persistent, very typical and named.

INTRODUCTION

Complex compounds constitute the most extensive and diverse class of inorganic substances. Many organ element compounds that bind inorganic and organic chemistry belong to them. Many complex compounds –vitamin B_{12}, synthesized by M.A.Azizov in the 50 years, and representing a complex compound of cobalt with nicotinic acid amide, hemoglobin, chlorophyll and others - play an important role in physiological and biochemical processes. Complex compounds play a huge role in manufacturing, pharmaceuticals, the study and deepening of catalysis processes, discover new methods of isolation, purification and detection of a number of metals, occupy an important place in the chemistry of transition, platinum metals and lanthanides [1-5].

The study of the properties and spatial structure of complex compounds turned out to be extremely fruitful for crystal chemistry, which studies the dependence of the physicochemical properties of substances on the structure of crystals formed by them, gave rise to new ideas about the nature of chemical bonding, the use of complex compounds in chemistry led to valuable results.

Salts of many metals are able to combine with ammonia, and rarely crystallize well. Such cobalt compounds, which are discussed in this paper, are very diverse, relatively strong, very typical and named. It was they who, by virtue of these qualities, played a huge role in the formation of the

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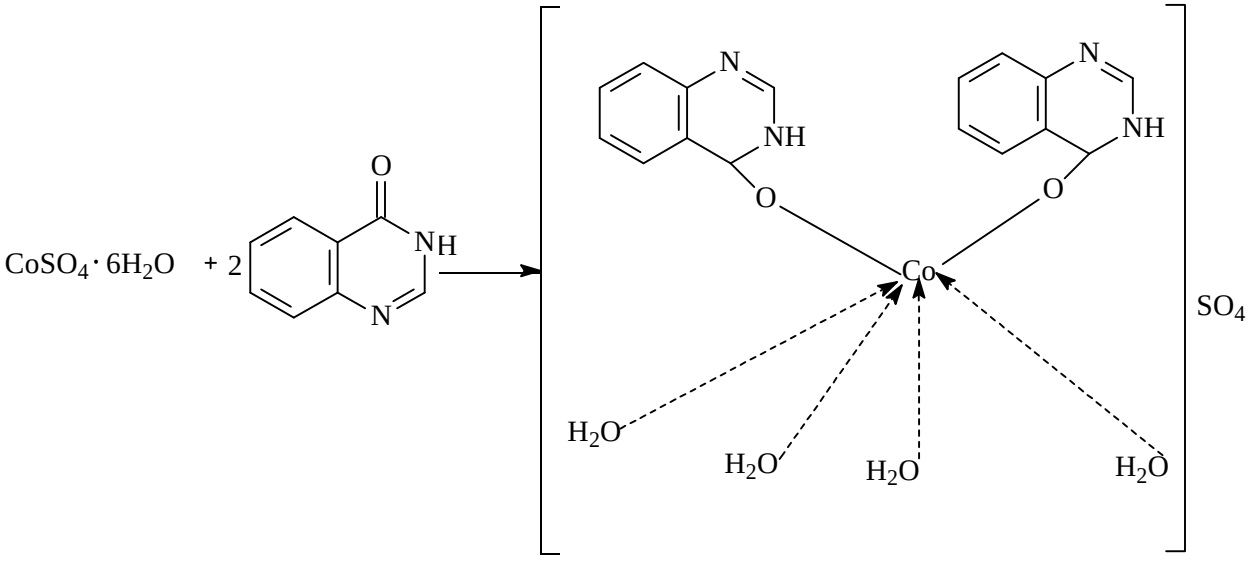
chemistry of coordination compounds, during their study, in particular, the basic principles of coordination theory were established [6-10].

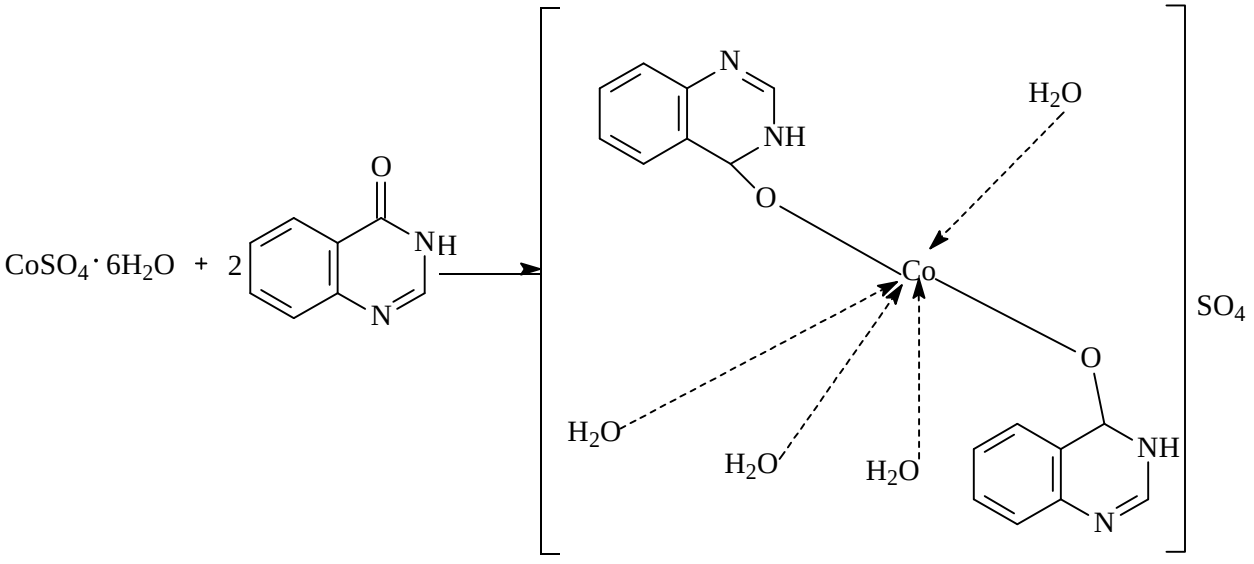
THE EXPERIMENTAL PART

Kobalat (II)-sulphate obtaining a coordinate combination with quinazoline-4-on.

0,1 moles of cobalate (II) – sulphate, 0,2 moles of quinazoline-4-one the porcelain is put in a mortar and mixed with a mixer in a mechanical way for 3 hours. The ingredients being mixed are cleaned every 10-15 minutes by scraping around the porcelain mortar and the mixer. The formula of the combination can be expressed as follows.



From the sis- formula, the fog is expressed in the form. The resulting coordinate combination can be expressed as follows in the trans- case.



RESULTS

Our expected results in the experiment are a technique from the following stages.

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1. The coordination compound formed as a result of the experiment was obtained by preparing 5% and 10% li solutions in distilled water.
2. From 10 grains of gooseberry "buxoro-102","Namangan-77", the seeds were soaked for 5 hours and 10 hours in a 5% solution.
3. From 10 grains of gooseberry "buxoro-102", "Namangan-77", the seeds were soaked for 5 hours and 10 hours in a 10% solution. The effect of the resulting substance on the germination of seeds.

Seeds were placed in a thermostat in a turret petri dish at an equal distance and 1 sample of 10 pieces, total 5 petri dish. Temperature 27°C, humidity level 40%. For 5 hours, the ripening processes were observed in 5% solution compared to the ripening processes in 10% solution, for 5 hours, the ripening processes were observed in 5% solution compared to 10 hours in 10% solution. The speed of growth of the roots was carried out in this way.

It is believed that if the seeds are planted in the tubers for 5 hours in 10% solution to the hanging wire of the root, it is desirable to count.

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