

Inorganic Synthesis of Cr(III)- based Antihyperglycemic Agent as a Learning resource of the Bioinorganic Chemistry Subject : Bringing the Laboratory Into the Classroom

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Abstract

Many examples showed of the effectiveness of inductive and hands on learning. The excellent place to encourage this type of learning is Laboratory experiments. Experimental synthesis of antihyperglycemic agent based on Cr(III) complex is an empirical experience which can bring the student to understand how to obtain biologically active ingredients in bioinorganic chemistry. This is a part of an Inquiry-Based Science Classroom. It will give an additional benefit of mixing laboratory activity with classroom learning and problem solving in a more practical approach than a separate laboratory and lecture.

Keywords: Inductive learning, laboratory experiments, inorganic synthesis, Antihyperglycemic Agent, Inquiry-Based Science Classroom