

## Synthesis of thieno (3,2-b) benzothiachromone and some of its derivatives

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**Abstract:** In the paper it is presented the synthesis of thieno (3,2-b) benzothiachromone by cyclodeshydration of 1-carboxybenzo-2-(3-thienil) sulphide with polyphosphoric acid and its behavior in some chemical reactions. The present study reports that the chemical behavior of thieno (3,2-b) benzothiachromone is similar to tioxanthone. The new synthesized compounds were analysed by IR, UV-Vis and RMN spectra at some derivatives.

*Keywords:* thieno-(3,2-b)-benzothiachromone, 1-carboxybenzo-2-(3-thienil) sulphide, tioxanthone.

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