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Design, synthesis and properties of new fungicidal azo dyes for polycaproamide

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Abstract

We have studied different approaches to the synthesis of azo compounds – potential dyes and pigments for textile materials with fungicidal activity and proposed multistage synthesis scheme, comprising the step of creating the chromophore and biophorne fragments of azo dye.

It has been established that synthesized hetaryl containing azo compounds can be used as dyes for fabrics from synthetic fibers, ensuring high-performance characteristics of the dyed samples, and protection against the action of mold fungi.

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