Synthesis of azo dyes based on N-phenyl maleimide derivatives

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ABSTRACT
The azo dyes (A1-9) was synthesized based on the N-phenyl maleimides derivatives by the reaction with 4-aminoantipyrine, the first reaction is synthesis of amic acids after that dehydration of water to yield the maleimides (M1-9), the synthesized compounds tested by the FT-IR and UV-VIS. spectroscopic techniques.

Keywords: Azo compounds, 4-aminoantipyrine, maleimide, amic acid.