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Synthesis of azo dyes based on N-phenyl maleimide derivatives

Oda Mizil Yasser², Ahmed Shiab Hamad¹, Mustafa Dauod Mohammed Ali*²

1. College of Pharmacy – University of Karbala - **IRAQ**

2. College of science – University of Babylon – **IRAQ**

Email: Mustafa.amr87@yahoo.com

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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.
