

Synthesis of Arylhydrazonochromone as pH Sensors

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Abstract. Coupling of the enaminone compound **3** with aryl diazonium salts affords the arylhydrazonochromones **6**. The latter showed a change in its colour upon changing the pH of the solution. The sensitivity of these molecules was clear in the pH range of 6-11. All four dyes start to show change in their visible spectra when the pH starts to reach the basic range.

Keywords: 2-Arylhydrazonopropanals, Arylhydrazonochromone, pH sensors.