



Disperse Dyes Based on Pyrazolopyrimidinones I: Their Dyeing Applications and Antimicrobial Activities

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Abstract : The goal of this study is to synthesize a series of disperse dyes based on pyrazolopyrimidinones. These dyes were synthesized by reaction of arylhydrazonopyrazolones with enaminones under acidic condition. Their structures were established by using Elemental analysis, FTIR, Mass, UV and NMR spectroscopy. These disperse dyes were applied to polyester fabrics, their fastness properties were tested. In addition, their biological activities against Gram negative and Gram positive bacteria were conducted.

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