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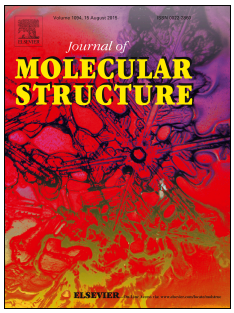

Spectroscopic studies of aryl substituted 1-phenyl-2-pyrazolines: Steric and electronic substitution effects

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Graphical Abstract

σ- or π-donor/acceptor ability effects of the C_3- and C_5-aryl substitutions on the UV-Vis, IR and NMR spectral data in 2-pyrazolines were investigated experimentally and theoretically. Marzieh Soltani, Hamid R. Memarian and Hassan Sabzyan.