

Synthesis of New Sulfa-Nitrone Compounds

Abstract

The Schiff bases were synthesized from sulfa drugs with some aldehyde and then converted to nitrones by oxidation of Schiff bases with peracetic acid which synthesized by using of hydrogen peroxide with acetic acid. The resulting products were identified by physical properties like melting point (m.p.), retardation factor (Rf) and color. Also compounds showed the expected data in identification techniques like FTIR, ¹HNMR, mass spectroscopy and Elemental analysis (CHN). The results verified the chemical structures of synthesized compounds.