

A Study on Selenium and its Comparative Analogues

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ABSTRACT

This topic describes the coordination chemistry of selenosemicarbazones with the explanation of synthesis and characterization of selenosemicarbazone compound and its related selenosemicarbazone ligands. The description also includes introduction of selenosemicarbazones, research methodology and results. Reaction of KSeCN with hydrazine hydrate and cyclohexanone in acidic medium resulted into formation of cyclohexanone selenosemicarbazone. Compound is characterized by IR, NMR (^1H and ^{13}C). Anti-tubercular activity of the compound is also investigated.

Keywords: Selenium, cyclohexanone selenosemicarbazone, elemental analysis, anti-tubercular activity

