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Synthesis and Biological Activities of Organotin(IV) Complexes as Antitumoral and Antimicrobial Agents. A Review

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Abstract:

Advances in the use of organotin(IV) compounds have gained relevant interest in both the chemical and pharmaceutical industry. Tin(IV) form stable complexes with a unique structure and physicochemical properties that are used in organic synthesis as heat stabilizers and catalysts, in drug development as biologically active agents, and in other areas. This review focuses on recent progress in the classical and convenient synthesis procedure, on their mechanism of action, and biological activities as antitumoral and antimicrobial agents.

Keywords: Agents, antimicrobial, antitumoral, synthesis, organotin(IV).

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