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Synthesis, Characterization and Biological Applications of Organotin(IV) Derivatives of 2-(2-Fluoro-4-biphenyl)propanoic Acid

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Abstract: A series of organotin(IV) derivatives with the general formula $R_{4-n}SnL_n$ (where $n = 1$ or 2 , $R =$ Me, Et, n-Bu, Ph and $L = 2-(2\text{-fluoro-4-biphenyl)propanoate}$) have been synthesized and characterized by infrared, multinuclear NMR (1H , ^{13}C , ^{119}Sn), ^{119m}Sn Mössbauer spectroscopy and mass spectrometry. Screening tests of these compounds showed that they are highly active against various bacteria and fungi.

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