

## Imidazole Nucleosides, V.

### Synthesis of 3'-Fluoro-3'-deoxy-ribofuranosides of 4(5)-Amino-imidazole-5(4)carboxamide

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Fluorinated Imidazole Nucleosides, Structure, UV Data, NMR-Data, Biological Evaluation

The synthesis of the 3'-fluoro-derivatives of 5-amino-1-( $\beta$ -D-ribofuranosyl)imidazole-4-carboxamide (AICA-riboside) and the isomeric 4-amino-1-( $\beta$ -D-ribofuranosyl)imidazole-5-carboxamide (*iso*-AICA-riboside) are described. Structures were confirmed by elemental analysis, UV and <sup>1</sup>H NMR spectroscopy. The anti-viral and anti-cancer activities of these imidazole nucleosides were tested.