Nucleic acids

U 0700

36-202

Synthesis of Ribavirin Analogues Containing Amino-Acid Residues. — A convenient procedure is reported for the synthesis of 4-nitroimidazole derivatives (III) and (IV) in which the β -anomer (III) is the major product. (III) is used as starting product for the synthesis of 7 title compounds of type (VII). — (LI, D.; BAO, H.; TAN, Q.; CAI, D.; YOU*, T.; Synth. Commun. 35 (2005) 8, 1017-1026; Dep. Chem., Univ. Sci. Technol. China, Hefei 230026, Anhui, Peop. Rep. China; Eng.) — M. Bohle

$$\begin{array}{c} \text{I. NH(Tms)}_{2} \\ \text{NO}_{2} \\ \text{NH}_{2} \\ \text{NO}_{2} \\ \text{NH}_{3} \\ \text{2. } \\ \text{Ac-O} \\ \text{O-Ac} \\ \text{I. } \\ \text{SnCl}_{4}, \text{ MgSO}_{4} \text{ (cat.)} \\ \text{(CH}_{2}\text{CI)}_{2}, \text{ 0 -> 25°C} \\ \end{array} \\ \begin{array}{c} \text{NO}_{2} \\ \text{NO}_{2} \\$$