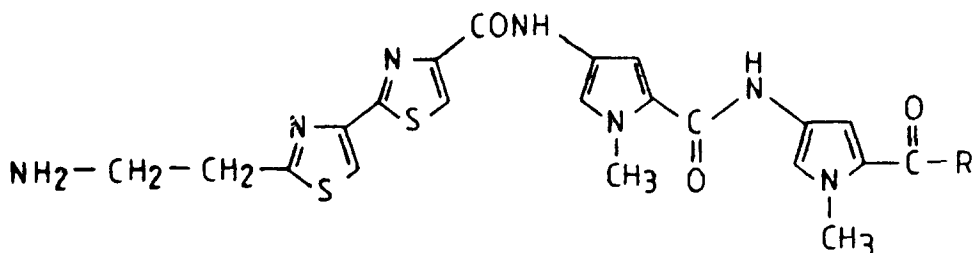


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SYNTHESIS AND PROPERTIES OF BITHIAZOLE-LINKED NETROPSIN DERIVATIVES

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In the course of a program aimed at providing new DNA-binding compounds endowed with biological activities, we report here the synthesis and properties of a series of hybrid molecules which result from the combination of a DNA sequence-specific ligand (netropsin) coupled to a structural part of the antibiotic bleomycin (bithiazole ring).

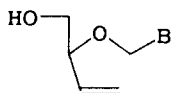


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RACEMIC AND ACYCLIC ANALOGUES OF D4 NUCLEOSIDES : SYNTHESIS AND ANTIVIRAL EVALUATION.

J-L. Imbach, M. Azymah, C. Chavis, M. Lucas. (Université de Montpellier II, Laboratoire de Chimie Bioorganique, 34095 Montpellier Cédex 5, France).

The title compounds of general formula 1 were synthesized through a six-steps synthetic pathway.



B = Ad, Cy, Th, Gu

The crucial N-glycosylation step was performed by using our new efficient procedure based on a ptc method with KI, dibenzo-18-crown-6, acetoxymethyl ether derivative and silylated nucleobase. Some of those derivatives presents marginal anti-HIV activities (MT4 cells).