

Symposium on the Chemistry of Heterocyclic Compounds (VIIIth) and of Nucleic Acid Components (VIth)

Held in Prague, Czechoslovakia
September 2nd – 8th, 1984

Divided into two sections, this new book in the Nucleic Acids Symposium Series, contains a total of 104 papers in the first section, covering the chemistry of heterocyclic compounds and the second section contains 50 papers covering the chemistry of nucleic acid components. Five plenary lectures are also included at the beginning of the book

Sample Contents

Section 1. Chemistry of Heterocyclic Compounds

Synthesis and reactivity of quaternary ammonium derivatives of furan and thiopene series

D Végh, J Kováč, M Kríž and M Dandárová

Synthesis of 2,4- and 3,5-disubstituted pyridines of anticipated biological activity

A Atta, O Abu El-Fath and S Salem

Carbon-13 N.M.R. spectra and structure of 2-H-octahydropyridol[1,2-a]pyrazin-1-one (I) methiodides

J Thiel

Cycloaddition of tricyclic fused azolium salts (annelation effect)

Gy Hajós, A Messmer and L Radics

Section 2. Chemistry of Nucleic Acid Components

Synthesis and properties of pyridol[2,3-d]pyrimidine nucleosides and nucleotides

T Ueda, H Inoue and A Imura

Synthesis of 5-(2,2-difluorovinyl)-2'-deoxyuridine

M Bobek and I Kaval

Unusual nucleoside and nucleotide analogs having pyridoxine moiety

A M Karpeisky and V I Gunar

The synthesis and properties of concatemeric DNA duplexes containing both natural and modified internucleotide bonds

N G Dolinnaya, A A Pural, V L Drutsa and Z A Shabarova

Nucleic Acids Symposium Series No. 14.

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XIth Symposium on Nucleic Acids Chemistry

Held in Kanazawa, Japan
October 30th – November 1st 1984

A collection of 51 papers, covering the chemical synthesis and reactions of nucleic acids and their derivatives and constituents, are published in this latest title in the Nucleic Acids Symposium Series

Sample Contents

Syntheses based on the tautomerism of purine and pyrimidine derivatives

Kondo, Kajita, Takimoto and Takemoto

Synthesis of N₁- and N₃-glycosyl pyrimidines from protected pyrimidines and halo sugars in the presence of tert-amine

Ozaki, Y Watanabe, Hoshiko, Fujisawa, Uemura and Ohrai

Chemical synthesis and biological activities of partially inosine-substituted 2',

5'-oligoadenylylates Functional discrimination of three adenine amino groups on 2-5A for the binding to and activation of 2-5A-dependent endonuclease

Imai, Lesiak and Torrence

Structure and thermostability of tRNAs from an extreme thermophile, *Thermus thermophilus* HB8

Yokoyama, Horie, Hara-Yokoyama, T Watanabe, Kitazume, Takahashi, K Watanabe, Kuchino, Nishimura and Miyazawa

DNA strand cleavage *in vitro* by metabolites of 3-amino-1-methyl-5H-pyridol[4,3-b]indole (Trp-P-2)

Negishi, Wakata, Hiramoto and Hayatsu

Terminal structures of F2, a linear DNA plasmid from yeast: Two different terminal structures in one linear DNA molecule

Kikuchi, Hirai, Gunge and Hishinuma

Nucleic Acids Symposium Series No. 15

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