1. Record Nr. UNINA9910643200403321

Titolo	Ciba Foundation Symposium on the Chemistry and Biology of Purines [[electronic resource] /] / editors for the Ciba Foundation, G.E.W. Wolstenholme and Cecilia M. O'Connor
Pubbl/distr/stampa	Boston, : Little, Brown and Co., [1957]
ISBN	1-280-76855-X 9786613679321 0-470-71901-X 0-470-71648-7
Descrizione fisica	1 online resource (350 p.)
Collana	Ciba Foundation symposia
Altri autori (Persone)	WolstenholmeG. E. W (Gordon Ethelbert Ward) O'ConnorCecilia M <1927-> (Cecilia Mary)
Disciplina	612.015
Soggetti	Purines
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	CHEMISTRY AND BIOLOGY OF PURINES; CONTENTS; Opening remarks; Synthesis and properties of purines of potential biological interest; Discussion; Some synthetic studies on purines and related heterocycles; Discussion; Some new -N-methylpurines; The structure of the hydroxypurines investigated by O-and N-methylation; Discussion; The spectra and structure of the monohydroxypurines and other potentially tautomeric purines; Short Communication; The p-electron properties of purine calculated by the L.C.A.O. method; Discussion; The degradation of uric acid by water under pressure The 8-position in purines. The chemical and biological transformation of purines into pteridines Discussion; Cvclonucleosides; Discussion; Stereochemistry of nucleoside synthesis; Discussion; Synthetic chemical investigations related to the metabolism of purines; Discussion; The effects of potential antipurines on a purine-requiring strain of Escherichla coli; Discussion; The chemistry of new purines in the B12 series of vitamins; Biological and microbiological activity of purine analogues of vitamin B12; Discussion; Puromycin; Discussion Chemical and biological behaviours of 9-b-D-ribofuranosylpurine

Discussion; On the activation of the one-carbon unit for the biosynthesis of purine nucleotides; The enzymatic synthesis of inosinic acid de novo; Discussion; Enzymic control of purines by xanthine oxidase; Discussion; The biological effects of 8-azapurines; Discussion; Biochemical effects of 6-mercaptopurine; Discussion; The use of 6-mercaptopurine in the treatment of leukemia; Discussion; General Discussion; Chairman's closing remarks