

1. Record Nr.	UNINA990001752520403321
Autore	Price, Nicholas C.
Titolo	Fundamentals of enzymology / Nicholas C. Price, Lewis Stevens
Pubbl/distr/stampa	Oxford, : Oxford University Press, 1989
ISBN	0-19-855297-1
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Descrizione fisica	XVIII, 526 p. : ill. ; 24 cm
Altri autori (Persone)	Stevens, Lewis
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Titolo	Aromatic amino acids in the brain
Pubbl/distr/stampa	Amsterdam ; ; New York : , : Elsevier, , 1974
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Descrizione fisica	1 online resource (408 pages) : illustrations, maps
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Note generali	"Symposium on Aromatic Amino Acids in the Brain held at the Ciba Foundation on 15th-17th May, 1973"--Participants page.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Aromatic Amino Acids in the Brain; Contents; Chairman's introduction; Control of plasma amino acid concentrations; Discussion; Amino acid transport in the brain in vivo and in vitro; Discussion; Octopamine, phenylethanolamine, phenylethylamine and tryptamine in the brain; Discussion; Tyrosine aminotransferase in the brain; Discussion; Properties of pterin-dependent aromatic amino acid hydroxylases; Discussion; The in vivo estimation of rates of tryptophan and tyrosine hydroxylation: effects of alterations in enzyme environment and neuronal activity; Discussion The regulation of tyrosine hydroxylase activity in adrenergic nervous tissue Discussion; Nutritional control of the synthesis of 5-hydroxytryptamine in the brain; Discussion; The transfer of tryptophan across the synaptosome membrane; Discussion; Tryptophan concentration in the brain; Serum free tryptophan: control of brain concentrations of tryptophan and of synthesis of 5-hydroxytryptamine; Fatty acids and the disposition of tryptophan; Discussion of the three preceding papers Monoamine metabolites in the cerebrospinal fluid: indicators of the

biochemical status of monoaminergic neurons in the cerebral nervous system Discussion; Do tryptophan concentrations limit protein synthesis at specific sites in the brain?; Discussion; Aromatic amino acid supply and protein synthesis in the brain; Discussion; Effects of amino acid imbalance on amino acid utilization, protein synthesis and polyribosome function in cerebral cortex; Discussion; L-Dopa, polysomal aggregation and cerebral synthesis of protein; Discussion; a-Methyldopa, an unnatural aromatic amino acid
Synthetic p-halogenophenylalanines and protein synthesis in the brain Discussion; Effects of a-methyltryptophan on tryptophan, 5-hydroxytryptamine and protein metabolism in the brain; Discussion; Chairman's closing remarks; Index of contributors; Subject index
