

1. Record Nr.	UNINA9910819041603321
Titolo	Aromatic amino acids in the brain
Pubbl/distr/stampa	Amsterdam ; ; New York : , : Elsevier, , 1974
ISBN	1-280-78342-7 9786613693815 0-470-72005-0 0-470-71772-6
Descrizione fisica	1 online resource (408 pages) : illustrations, maps
Collana	Ciba Foundation symposium (new series) ; ; 22
Disciplina	599/.01/88
Soggetti	Amino acids Brain chemistry Aromatic compounds
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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; α -Methyldopa, an unnatural aromatic amino acid
Synthetic p-halogenophenylalanines and protein synthesis in the brain Discussion; Effects of α -methyltryptophan on tryptophan, 5-hydroxytryptamine and protein metabolism in the brain; Discussion; Chairman's closing remarks; Index of contributors; Subject index
