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7.3 Mammalian Glutaminase Genes and Transcripts; 7.4 Mammalian Glutaminase Enzymes; 7.5 Glutaminase Expression in Mammalian Brain; 7.6 State of Art and Perspectives; 7.7 Conclusions; 7.8 Acknowledgements; 8 D-Serine and Serine Racemase in the Retina; 8.1 Abstract; 8.2 Introduction; 8.3 NMDA Receptor and D-serine as a Co-agonist; 8.4 D-Serine in the Retina; 8.5 Mechanisms of D-Serine Uptake in the Retina; 8.6 D-Serine and Serine Racemase in Retinal Neurons; 8.7 Role of D-Serine in the Retina; 8.8 Role of D-Serine and Serine Racemase in Neuronal Cell Death; 8.9 Conclusions
8.10 Acknowledgements

Sommario/riassunto

Human health issues relating to amino acids are extremely broad and include metabolic disorders of amino acid metabolism as well as their presence in food and use as supplements. This book covers the biochemistry of amino acid metabolism in the context of health and disease. It discusses their use as food supplements, in clinical therapy and nutritional support and focuses on major recent developments, highlighting new areas of research that will be needed to sustain further interest in the field. It is suitable for researchers and students in human nutrition and food science.
