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Titolo	Amino acids and peptides // G.C. Barrett and D.T. Elmore [[electronic resource]]
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Descrizione fisica	1 online resource (xv, 224 pages) : digital, PDF file(s)
Disciplina	572/.65
Soggetti	Amino acids Peptides
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Half-title; Title; Copyright; Contents; Foreword; 1 Introduction; 2 Conformations of amino acids and peptides; 3 Physicochemical properties of amino acids and peptides; 4 Reactions and analytical methods for amino acids and peptides; 5 Determination of the primary structures of peptides and proteins; 6 Synthesis of amino acids; 7 Methods for the synthesis of peptides; 8 Biological roles of amino acids and peptides; 9 Some aspects of amino-acid and peptide drug design; Subject index
Sommario/riassunto	This text is suitable for advanced undergraduate and beginning graduate students in chemistry and biochemistry studying amino acids and peptides. The authors concentrate on amino acids and peptides without detailed discussions of proteins, although the book gives all the essential background chemistry, including sequence determination,

synthesis and spectroscopic methods, to enable the reader to appreciate protein behaviour at the molecular level. The approach is intended to encourage the reader to cross classical boundaries, as in the later chapters on the biological roles of amino acids and the design of peptide-based drugs. For example, there is a section on the enzyme-catalysed synthesis of peptides, with suitable examples, an area often neglected in texts describing peptide synthesis. This modern text will be of value in the amino acid, peptide and protein field, to advanced undergraduates, graduate students and research workers.
