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	 3.1 Introduction 3.2 CD44 Proteins and Their Involvement in RTK Activation; 3.3 CD44v6 Acts as a Coreceptor for c-Met and Ron; 3.4 Three Amino Acids in CD44 Exon v6 Are Crucial for the CD44v6 Coreceptor Function, and Small Peptides Can Interfere with This Function; 3.5 The Ectodomain of CD44v6 Binds to HGF; 3.6 Peptides Corresponding to Exon v6 of CD44 Inhibit Metastatic Spread of Tumor Cells; 3.7 The Significance of the Collaboration between CD44v6 and c- Met In Vivo; 3.8 The CD44v6 Peptides Interfere with Angiogenesis; 3.9 Outlook; References 4: Peptide Aptamers Targeting the Viral E6 Oncoprotein Induce Apoptosis in HPV-positive Cancer Cells4.1 Human Papillomaviruses and Oncogenesis; 4.1.1 Cervical Cancer; 4.1.2 The E6 and E7 Genes; 4.2 Peptide Aptamers Targeting the HPV E6 Oncoprotein; 4.3 E6-Targeting Peptide Aptamers: Therapeutic Perspectives; 4.3.1 Therapeutic Target Protein Evaluation by Peptide Aptamers; 4.3.2 The Intrinsic Therapeutic Potential of Peptide Aptamers; 4.3.3 Identification of Functional Peptide Mimics by Displacement Screening; 4.4 Perspectives; References 5: The Prevention of HIV Infection with Viral Entry Inhibitors5.1 Introduction: The Potential of Peptides as Drugs in the Treatment of HIV Infection; 5.2 The HIV Entry Process; 5.3 Peptides that Inhibit Receptor or Coreceptor Binding; 5.3.1 Physiological Antimicrobial Peptides; 5.3.1.1 Defensins; 5.3.2 Chemokines; 5.3.3 Synthetic Peptides and Peptidomimetics; 5.4 Inhibitors of the Viral and Cellular Membrane Fusion Process; 5.5 Entry Inhibitory Peptides Selected by the Phage Display Technology; 5.6 Limitations of Peptides in the Treatment of HIV Infection
Sommario/riassunto	By covering the full spectrum of topics relevant to peptidic drugs, this timely handbook serves as an introductory reference for both drug
	active peptides, presenting both the advantages and challenges associated with this molecular class. The first part discusses current approaches to developing pharmaceutically active peptides, including case studies of the use of peptidic drugs in cancer and AIDS therapy. The second part surveys strategies for the development and targeting of peptidic drugs. With its integration of b