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Nota di contenuto	CONTENTS; PREFACE ; List of Contributors ; Neutrophil Elastase as a Target in Lung Cancer: the State of the Art ; 1. INTRODUCTION: NEUTROPHIL ELASTASE/-1ANTITRYPSIN IMBALANCE AS A LINK BETWEEN CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND LUNG CANCER; 2. MULTIFACETED FUNCTIONS OF NEUTROPHIL ELASTASE IN LUNG CANCER; 3. ENDEGNENOUS NEUTROPHIL ELASTASE INHIBITORS; 3.1. Proteinaceous Inhibitors; 3.2. Natural Compounds; 3.2.1. Glycosaminoglycans; 3.2.2. Phenolics; 3.2.3. Triterpenoids ; 3.2.4. Fatty Acids and Peptide Derivatives; 4. DESIGN OF DUAL NEUTROPHIL ELASTASE / MMP INHIBITORS DESIGN OF DUAL HNE-MMP INHIBITORS CONCLUDING REMARKS; ADDITIONAL MATERIAL; 1. Molecular Modeling and Molecular Graphics; 2. Ligand and Receptor Preparation; 3. Docking Protocol; CONFLICT OF INTEREST; DISCLOSURE; ACKNOWLEDGEMENTS; ABBREVIATIONS; REFERENCES; Inhibition of Membrane Complement Inhibitor Expression (CD46, CD55, CD59) by siRNA Sensitizes Tumor Cells to Complement Attack ; INTRODUCTION; MATERIALS AND METHODS; Cell Culture; SiRNA Sequences; SiRNA Transfection; Flow Cytometry; Complement-mediated Cytotoxicity Assay (CDC); C3-binding Studies; Real-Time RT-PCR; Statistical Analysis

RESULTS
Design of siRNAs Specific for CD46, CD55 and CD59; siRNA-mediated Downregulation of mCRP Expression; siRNA-mediated Augmentation of Tumor Cell Complement Lysis and Opsonization; Time-course of siRNA-induced mCRP Inhibition; Stable Downregulation of CD59 Using an Hairpin siRNA Expression Vector; DISCUSSION; CONFLICT OF INTEREST; DISCLOSURE; ACKNOWLEDGEMENT; ABBREVIATIONS; REFERENCES; Points of Therapeutic Intervention along the Wnt Signaling Pathway in Hepatocellular Carcinoma ; INTRODUCTION; THE WNT SIGNALING PATHWAY; Overview of the Wnt Signaling; The Wnt/-catenin Pathway
Aberrant Activation of the Wnt/-catenin Pathway in HCC
TARGETING THE WNT/-CATENIN PATHWAY IN HCC; Targeting the Upstream Components; Endogenous Inhibitors of the Ligand/Receptor Complex; Targeting Wnt Ligands and FZD Receptors ; Targeting the Dishevelled Protein; Cellular Trafficking and Targets; Targeting the -catenin Destruction Complex; Targeting the -catenin/TCF Transcriptional Complex; Pitfalls in Targeting the Wnt/-catenin Pathway; CONCLUSIONS AND PERSPECTIVES ; CONFLICT OF INTEREST; DISCLOSURE; ACKNOWLEDGMENT; ABBREVIATIONS; REFERENCES
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