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Nota di contenuto	Lipases and Phospholipases in Drug Development; Contents; Preface; List of Contributors; 1 Purification of Lipase; 1.1 Introduction; 1.2 Pre-purification Steps; 1.3 Chromatographic Steps; 1.4 Unique Purification Strategies; 1.5 Theoretical Modeling; 1.5.1 Model Formulation; 1.5.1.1 Mobile Phase; 1.5.1.2 Stationary Phase; 1.5.1.3 Boundary Conditions; 1.5.2 Solution; 1.5.3 Method of Moments; 1.5.4 Model Evaluation; 1.5.5 Simulation Results; 1.5.5.1 Effect of Feed Angle; 1.5.5.2 Effect of Flow Rate; 1.5.5.3 Effect of Rotation Rate; 1.5.5.4 Effect of Column Height; 1.6 Conclusions 1.7 Acknowledgements1.8 References; 2 Phospholipase A(1) Structures, Physiological and Patho-physiological Roles in Mammals; 2.1 Introduction; 2.2 Phosphatidylserine-specific Phospholipase A(1) (PS-PLA(1)); 2.2.1 Historical Aspects; 2.2.2 Biochemical Characterization and Tissue Distribution; 2.2.3 Structural Characteristics; 2.2.4

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Sommario/riassunto

Lipases and Phospholipases are key control elements in mammalian metabolism. They share many common features that set them apart from other metabolic enzyme classes, most importantly their association with biological membranes. Their potential as drug targets for the treatment of metabolic diseases is widely recognized, and the first lipase inhibitor drugs have been successfully introduced.Providing drug developers with a firm foundation for lipase-centered drug design, the editors of this volume have assembled experts from different scientific disciplines to create a comprehensive handboo