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PAF-Degrading Enzymes; 1. Introduction; 2. Intracellular PAF-AH I; 2.1. Characteristics; 2.2. Brain Development; 2.3. Spermatogenesis; 2.4. A Generation and Secretion; 2.5. Cancer Pathogenicity; 2.6. Protein Trafficking and Sorting; 2.7. Aspirin Metabolism; 3. Intracellular PAF-AH II; 3.1. Characteristics; 3.2. Protective Role Against Oxidative Stress; 3.3. Epidermal Morphogenesis; 3.4. Transacetylation from PAF to Other Lipid Mediators; 4. Plasma PAF-AH
4.1. Characteristics4.2. Involvement of Atherosclerosis; 4.3. Involvement in Asthma; 5. Conclusion; References; Chapter Two: Intracellular PAF-Acetylhydrolase Type I; 1. Introduction and History; 2. Identification of Intracellular PAF-AH, Isoform Ib; 3. Nomenclature of PAF-AH Ib Subunits; 4. Structure of PAF-AH Ib; 4.1. Structure of the Catalytic Subunits; 4.2. Structure of the Noncatalytic Subunit; 5. Physiological Roles of PAF-AH Ib; 5.1. Neuronal Development and Function; 5.2. Interaction Between PAF-AH Ib and the Reelin Signaling Pathway; 5.3. Spermatogenesis; 5.4. Cancer
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5. Roles of ""Brain"" Platelet-Activating Factor Acetylhydrolase in Testicular Development and Spermatogenesis6. Conclusions; References; Chapter Four: Intracellular Platelet-Activating Factor Acetylhydrolase, Type II: A Unique Cellular Phospholipase A2 That ...; 1. Introduction; 2. Structure of PAF-AH (II); 3. Substrate Specificity of PAF-AH (II); 4. Biological Roles of PAF-AH (II); 5. Regulation of PAF-AH (II); 6. Future Prospects; Acknowledgments; References; Chapter Five: Trafficking and Oligomeric Regulation of Platelet-Activating Factor Acetylhydrolase Type II; 1. Introduction
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3.1. PAF-AH and Lipoproteins