



## Nitric Oxide Donors: Novel Biomedical Applications and Perspectives (Paperback)

By Amedea Seabra

Elsevier Science Publishing Co Inc, United States, 2017. Paperback. Condition: New. Language: English . Brand New Book. Nitric Oxide Donors: Biomedical Applications and Perspectives presents the current state of art, challenges and innovations in the design of therapeutics nitric oxide donors with great impact in several aspects of human physiology and pathophysiology. Although considerable innovative progress has been achieved using Nitric Oxide donors in biomedical applications, certain drawbacks still need to be overcome to successfully translate these research innovations into clinical applications. This book encompasses several topics on nitric oxide such as its sources and biological properties; its performance in the cardiovascular and neurologic systems, in the human skin and its application in the treatment of neglected diseases, neurodegenerative disorders, and cancer. Additionally, it covers its role in inflammation and immunity, penile erection function, photodynamic therapy, antimicrobial activities. It also discusses the future of nitric oxide donors in combination with other therapeutic drugs, in implantable sensors, and nitric oxide releasing hydrogels and medical devices for topical applications. The book is a valuable source for researchers on different areas of biomedical field who are interested in the improvements that these molecules can make in the treatment of several conditions.



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