

Advances in hydrogen sulfide biology /

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Springer, 2021



Monografía

Hydrogen sulfide (H2S) has emerged as an important gas signalling molecule in a series of organs/tissues, on the diseases of which it plays protective roles, such as proangiogenic effects in ischemic tissues, antiapoptotic effects in the cardiomyocytes, regularization of fatal arrhythmia in myocardial infarction, amelioration of inflammation in autoimmune diseases, modification of neuronal transmission, increase in sodium excretion from the kidney, and amelioration of insulin resistance, etc. This book focuses on the effect of hydrogen sulfide in cardiovascular system, immune system, nervous system, kidney, as well as on the metabolism of glucose and lipids and regulation of ion channels and so on. This book also provides the advances in the understanding of endogenous H2S metabolism and H2S protein targets, as well as H2S donors. It will benefit researchers in both academics and industry working on the underlying mechanism of H2S field and the future of translational medicine of H2S

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Título: Advances in hydrogen sulfide biology Yi-Chun Zhu, editor

Editorial: Singapore Springer 2021

Descripción física: 1 online resource

Mención de serie: Advances in experimental medicine and biology 0065-2598 v. 1315

Contenido: Introduction -- Metabolism of endogenous H2S and its metabolites -- A common molecular switch for H2S to regulate multiple protein targets -- The protective role of H2S in the heart -- The proangiogenic effects of H2S -- H2S and the immune system -- Protection of H2S on the neurons -- The role of H2S in the metabolism of glucose and lipids -- Regulation of the ion channels by H2S -- The epigenetic mechanisms for H2S signalling -- The development of H2S donor

ISBN: 9789811609916 electronic bk.) 9811609918 electronic bk.) 981160990X 9789811609909

Materia: Hydrogen sulfide- Physiological effect Hydrogen sulfide- Physiological effect.

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Enlace a formato físico adicional: Original 981160990X 9789811609909 (OCoLC)1237631417

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