

Special Issue

Hydrogen Sulfide and H₂S Donors in Cardiovascular, Metabolic, and Inflammatory Diseases

Message from the Guest Editors

Hydrogen sulfide (H₂S) is a pleiotropic endogenous gasotransmitter able to maintain homeostasis in several systems. In recent years, the discovery that the physiological production of H₂S resulted in the impairment of several pathological conditions such as hypertension, diabetes, endothelial dysfunction, etc., led to the study of exogenous sources of H₂S that are able to compensate for the lack or imbalance of H₂S, which are called H₂S donors. In this Special Issue, we focus our attention on the role of H₂S and /or H₂S donors in the physiopathological aspects of cardiovascular, metabolic or inflammatory diseases (including degenerative pathologies derived from the persistence of a chronic subclinical inflammation, such as cancer and neurodegenerative diseases). The demonstration or the speculation about the mechanisms of action by which H₂S and H₂S donors act in different pathologies will also be appreciated. Finally, the synthesis or the identification of novel natural H₂S donors will also be considered of interest for our Special Issue.

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