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Hydrogen Sulfide (H2S)-Donor Molecules: Chemical, Biological, and Therapeutical Tools

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Message from the Guest Editors

Dear Colleagues,

Hydrogen sulfide (H2S) has been recognized as the third endogenous pleiotropic gasotransmitter, along with nitric oxide and carbon monoxide, playing a significant role in processes. biological Since endogenous concentrations of this gaseous signaling molecule are generally low, to better define its physio-pathological functions, exogenous sources of H2S are needed. On this basis, the challenge for many research groups is the development of H₂S-donor molecules that are able to release H2S in a tightly controlled way, mimicking the physiological production of this gas. Thus, the identification of novel chemical tools could be useful to further investigate the involvement of H2S both in health and disease states

The aim of this Special Issue is to collect novel research regarding H₂S-releasing compounds as innovative pharmacological tools and to provide further evidence of the crucial role of H₂S in physiological and pathological processes.

Keywords: hydrogen sulfide (H₂S); H₂S-donors; hybrids; pharmacological tools; cell signaling



Specialsue









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Message from the Editor-in-Chief

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