## Special Issue

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

## Message from the Guest Editors

Hydrogen sulfide (H2S) has been recognized as the third endogenous pleiotropic gasotransmitter, along with nitric oxide and carbon monoxide, playing a significant role in many biological processes. 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

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## Deadline for manuscript submissions

closed (30 May 2023)



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## Message from the Editor-in-Chief

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