

综述

硫化氢对神经退行性疾病保护作用的研究进展

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摘要

硫化氢(hydrogen sulfide, H₂S)一直被认为是一种有毒气体。近年来,越来越多的研究显示H₂S在哺乳动物体内可以调节及参与一定范围的生理和病理过程。H₂S在中枢神经系统中扮演着重要的角色。H₂S具有抗氧化应激、抗凋亡以及抗炎的作用,而这些生理学意义对研究防治包括阿尔茨海默病、帕金森氏病在内的神经退行性疾病有着重要的启示。

关键词: [硫化氢](#) [神经退行性疾病](#) [氧化应激](#) [凋亡](#) [神经炎症](#)

Progress in research on protective effect of hydrogen sulfide on neurodegenerative disease

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Abstract

For hundreds of years, hydrogen sulfide H₂S has been considered to be a toxic gas. In recent years, more and more studies have shown that H₂S in the mammalian body can be adjusted and it involves in a range of physiological and pathological processes. H₂S plays an important role in the central nervous system. H₂S shows effects of anti-oxidant, anti-apoptosis and anti-inflammation, which might be significant in prevention of neurodegenerative disease, such Alzheimer's disease and Parkinson's disease.

Keywords: [hydrogen sulfide, neurodegenerative diseases, oxidative stress, apoptosis, nerve inflammation](#)

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