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## The role of hydrogen sulphide in airways

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### Abstract

The toxicity of hydrogen sulfide (H<sub>2</sub>S) has been known for a long time, as it is prevalent in the atmosphere. However accumulative data suggest that H<sub>2</sub>S is also endogenously produced in mammals, including man, and is the third important gas signaling molecule, besides nitric oxide and carbon monoxide. H<sub>2</sub>S can be produced via non enzymatic pathways, but is mainly synthesized from L-cysteine by the enzymes cystathionine-γ-lyase, cystathionine-β-synthetase, cysteine amino transferase and 3-

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