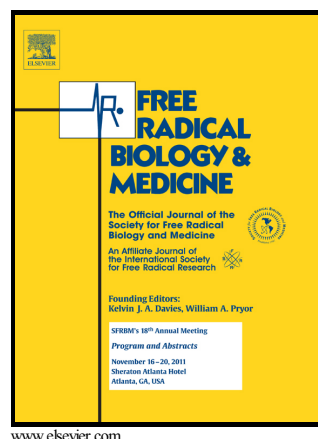


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Studies of a Possible Protective Function of
Biological Hydropersulfide Generation

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**The Chemical Biology of Protein Hydropersulfides: Studies of a Possible Protective
Function of Biological Hydropersulfide Generation**

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Keywords: Hydropersulfides, thiols, thiol protein, oxidative stress, electrophilic stress, cellular
protection, hydrogen sulfide.

Abstract

The recent discovery of significant hydropersulfide (RSSH) levels in mammalian tissues,
fluids and cells has led to numerous questions regarding their possible physiological function.
Cysteine hydropersulfides have been found in free cysteine, small molecule peptides as well as

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