

Abstract

In one aspect, the present invention provides otoprotectant compositions useful for ameliorating hearing loss. In some embodiments, the otoprotective compositions comprise at least one glutathione peroxidase mimic. In some embodiments, the otoprotective compositions comprise at least one glutathione peroxidase mimic and at least one otoprotectant selected from the group consisting of a xanthine oxidase inhibitor and a glutathione or glutathione precursor. In some embodiments, the otoprotective compositions comprise at least one glutathione peroxidase mimic, at least one xanthine oxidase inhibitor, at least one glutathione or glutathione precursor. In another aspect, the present invention provides methods for ameliorating hearing loss by administering to a subject an amount of an otoprotective composition that is effective to ameliorate hearing loss.

