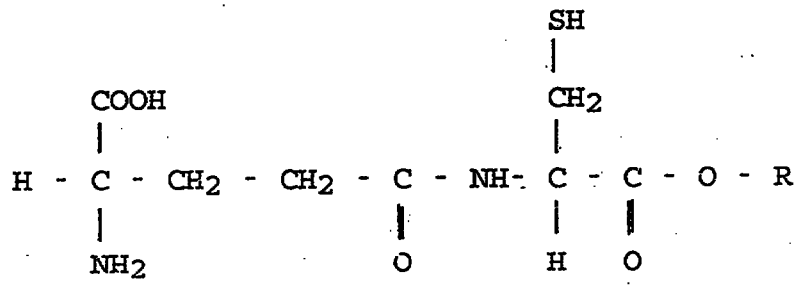
ABSTRACT

The present invention provides a preventive or therapeutic agent for tissue injury caused by active oxygens and free radicals, having for its effective component γ-L-glutamyl-L-cysteine ester derivative indicated in the following general formula:



wherein, R is a straight chain, branched or cyclical hydrocarbon group having 1-10 carbon atoms, or a straight chain or branched hydrocarbon group having 1-5 carbons substituted with an aromatic group, or its oxidized dimer.

This compound has the effect of elevating glutathione levels in tissue and biochemically substitute for glutathione thereby performing preventive or therapeutic effects against ischemia-reperfusion tissue injury in the heart, liver and other organs, arrhythmia, as well as lung injury caused by active oxygens and free radicals.

This Sheet Has Been Replaced

