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(54) Title: PHARMACEUTICAL COMPOSITION COMPRISING HYDROXYLATED NEBIVOLOL

(57) Abstract: Hydroxylated nebivolol metabolites increase NO release from human endothelial cell preparations in a concentra-
tion dependent fashion following acute administration. In addition, hydroxylated nebivolol metabolites, including but not limited
to 4-hydroxy- 6,6'difluoro have the ability to increase the capacity for NO release in human endothelial cells following chronic ad-
ministration. This invention provides hydroxylated nebivolol metabolites to treat cardiovascular diseases. In addition, this invention
provides methods of treating and/or preventing vascular diseases by administering at least one hydroxylated metabolite of nebivolol
that is capable of releasing a therapeutically effective amount of nitric oxide to a targeted site affected by the vascular disease.



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