ABSTRACT OF THE DISCLOSURE

A method for prophylaxis or treatment of an animal for systemic hypotension induced by internal nitrogen oxide production. The method involves administering a therapeutically effective amount of certain arginine derivatives to inhibit nitrogen oxide formation from arginine. Preferably N^G-substituted arginine or an N^G,N^G-disubstituted arginine (having at least one hydrogen on a terminal guanidino amino group replaced by another atomic species) is administered to an animal possibly developing or already having such induced systemic hypotension. The arginine derivatives are preferably of the L configuration and include pharmaceutically acceptable addition salts. Prophylaxis or treatment of systemic hypotension in a patient which has been induced by chemotherapeutic treatment with biologic response modifiers such as tumor necrosis factor or interleukin-2 may be accomplished. Treatment of an animal for systemic hypotension induced by endotoxin, i.e., septic shock may also be accomplished by treatment with the arginine derivatives.

H:\UTFC\205\PA\01.INT

This Sheet Has Been Replaced