Title (en)

UPREGULATION OF TYPE III ENDOTHELIAL CELL NITRIC OXIDE SYNTHASE BY HMG-CoA REDUCTASE INHIBITORS

Title (de)

STEIGERUNG DER TYPE III ENDOTHELIALZELL-STICKSTOFFOXID-SYNTHASE DURCH HMG-COA-REDUKTASE HEMMER

Title (fr)

REGULATION POSITIVE DE L'OXYDE NITRIQUE SYNTHASE DES CELLULES ENDOTHELIALES DE TYPE III PAR DES INHIBITEURS DE LA HMG-COA REDUCTASE

Publication

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Application

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Abstract (en)

[origin: WO0056403A1] A new use for HMG-CoA reductase inhibitors is provided. In the instant invention, HMG-CoA reductase inhibitors are found to upregulate endothelial cell Nitric Oxide Synthase activity through a mechanism other than preventing the formation of oxidative-LDL. As a result, HMG-CoA reductase inhibitors are useful in treating or preventing conditions that result from the abnormally low expression and/or activity of endothelial cell Nitric Oxide Synthase. Such conditions include pulmonary hypertension, ischemic stroke, impotence, heart failure, hypoxia-induced conditions, insulin deficiency, progressive renal disease, gastric or esophageal motility syndrome, etc. Subjects thought to benefit mostly from such treatments include nonhyperlipidemics and nonhypercholesterolemics, but not necessarily exclude hyperlipidemics and hypercholesterolemics.

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