

Seminar June 4 at 11H00 am (salle de cours, IHU Liryc ,Hôpital Xavier Arnozan, Avenue du Haut Lévêque Pessac

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Carvacrol and endothelial function modulatory role of endothelial progenitor cells



Endothelial dysfunction is linked to various diseases, marked by reduced nitric oxide, increased oxidative stress, and changes in blood vessels. In hypertension, endothelial progenitor cells (EPCs), critical for vascular repair, decline and become dysfunctional. Carvacrol, found in oregano and thyme, shows promise as a therapy due to its antioxidant effects, such as reducing reactive oxygen species (ROS) and enhancing antioxidant enzymes. It offers vascular benefits by lowering blood pressure, improving vasorelaxation, and protecting EPCs. Additionally, carvacrol can alleviate conditions like erectile dysfunction and promote endothelial function by increasing eNOS/p-eNOS levels. Overall, carvacrol presents a novel approach to improve endothelial health and address related disorders.

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