Clofibric acid is a metabolite of clofibrate that activates PPARα receptors and inhibits auxin activity, exhibiting anti-hyperlipidemic, anti-angiogenic, anticancer chemotherapeutic, and herbicidal activity. Clofibric acid alters plant hormone activity and is used as a plant growth regulator. Clofibric acid also inhibits phosphatidylethanolamine synthesis, decreasing production of cholesterol and activity of HMG-CoA reductase and ACAT. Additionally, clofibric acid suppresses production of prostaglandin E2 (PGE2) and VEGF, decreases vessel density, and inhibits tumor growth in animal models of ovarian cancer.

References


Haughom B, Spydevold O. The mechanism underlying the hypolipemic effect of perfluorooctanoic acid (PFOA), perfluorooctane sulphonic acid (PFOSA) and clofibric acid. Biochim Biophys Acta. 1992 Sep 22;1128(1):65-72. PMID: 1327145.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.