

NOVEL CYCLOHEXENONE COMPOUNDS FROM ANTRODIA CAMPHORATA AND APPLICATION THEREOF

ABSTRACT OF THE DISCLOSURE

The present invention relates to a novel compound and its uses, which is an extract isolated and purified from *Antrodia camphorata*, in particular to 4-hydroxy-2,3-dimethoxy-6-methy-5(3,7,11-trimethyl-dodeca-2,6,10-trienyl)-cyclohex-2-enone, and its use in tumor growth inhibition. The compound of the invention, which has never been discovered in *Antrodia camphorata*, can be applied in inhibiting the growth of cancer cells, such as breast cancer, hepatic cancer and prostate cancer; and be used as a pharmaceutical composition to inhibit the tumor growth; or further be applied in prevention of heart and blood vessel disease or dietary supplements for health needs through its antioxidant activity.