ABSTRACT OF THE DISCLOSURE

The present invention relates to a tumor-inhibiting compound, in particular to verrucarin A and verrucarin J isolated from *Myrothecium* sp., and its use in inhibiting the growth of cancer cell including lung cancer, hepatic cancer and prostate cancer. Verrucarin A and verrucarin J in the present invention were applied in inhibiting the growth of human hepatic cancer cell lines Hep3B and HepG2, human lung cancer cell line A549, and human prostate cancer cell lines LNCaP and DU-145, which can further be used as pharmaceutical compositions for inhibition of cancers including hepatic cancer, lung cancer and prostate cancer.