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Author Yao Jen Lo
Author's Email Address No Public.
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Abstract ABSTRACT
Inonotus obliquus is a medicinal fungus，widely used in treatment of difficult diseases in Russia for centuries. This study uses a simple assessment in vitro to study the effectiveness of anticancer activities by using artificially cultivated of Inonotus obliquus as a cancer adjuvant. The results showed that alcohol extract of Inonotus obliquus inhibited the testing growth of cancerous cells. The IC50 is about 20 ~ 40 mg / ml for Normal Chinese hamster ovary cells， whilst CHO-K1 has a higher tolerance with IC50 about 80 ~ 100 mg / ml. Higher concentrations of Inonotus obliquus alcohol extract can be used as effective adjuvant for 5FUand CPT. The result shows that low concentration of Inonotus obliquus alcohol extract inhibits tumor cell growth after surgical operation.
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