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*Basic Study*

**Melittin induces human gastric cancer cell apoptosis via activation of mitochondrial pathway**

Gui-Mei Kong, Wen-Hua Tao, Ya-Li Diao, Peng-Hua Fang, Ji-Jun Wang, Ping Bo, Feng Qian

#### Abstract

**AIM:** To investigate the apoptotic effects of melittin on SGC-7901 cell via activation of the mitochondrial signaling pathway in vitro.

**METHODS:** SGC-7901 cells were stimulated by melittin. The effect of melittin on proliferation and apoptosis of SGC-7901 cells was investigated by methyl thiazoyltetrazolium (MTT) assay, morphologic structure with transmission electron microscopy, annexin-V/propidium iodide double-staining assay, mitochondrial membrane potential levels and Reactive oxygen

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