

Supplementary data

Cell line source and authentication

The hepatocellular carcinoma cell line (HepG2) was obtained from Sigma-Aldrich (85011430). The catalog number was HB-8065. Cells were maintained in Dulbecco's Modified Eagle Medium (DMEM) and used between passage numbers 5–15 to ensure experimental consistency. The cell line was obtained from a certified international repository with established quality control procedures. Cell line identity was confirmed through supplier authentication and standard cell culture practices. (Geraghty *et al.*, 2014).

Chemicals and Reagents

Dulbecco's Modified Eagle Medium (DMEM), fetal bovine serum (FBS), penicillin–streptomycin, and MTT reagent were purchased from Sigma-Aldrich (USA) and Gibco (USA). Dimethyl sulfoxide (DMSO) was obtained from Sigma-Aldrich (USA). All reagents were of analytical grade and used without further purification.

Reference

Geraghty RJ, Capes-Davis A, Davis JM, Downward J, Freshney RI, Knezevic I and Vias M. (2014). Guidelines for the use of cell lines in biomedical research. *Br. J. Cancer*, **111**(6): 1021-1046.