

S3 File. Biological activity of biotinylated gephyronic acid methyl ester

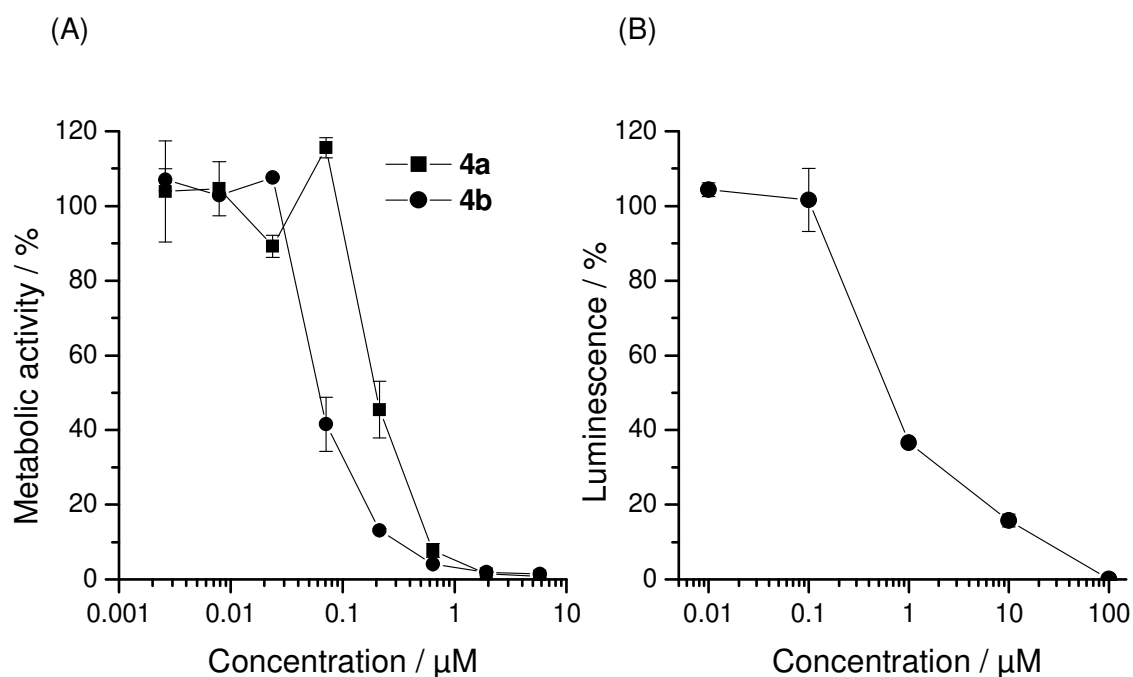


Figure: Growth and translation inhibition of biotinylated gephyronic acid methyl esters.

(A) Measuring the concentration dependent metabolic activity of KB-3-1 cell cultures that were incubated with **4a** and **4b** by an MTT assay showed that the compounds still had a high inhibiting capacity. **4b** was the more active one. It was almost as cytotoxic to KB-3-1 cells as the parent compound **1**. The IC_{50} was $0.06 \mu\text{M}$. Assays were run in duplicates. Error bars show S.D. (B) **4b** also inhibited *in vitro* translation (IC_{50} $6 \mu\text{M}$) in a rabbit reticulocyte lysate system supplemented with mRNA and amino acids. Experiment was run in triplicates. Error bars show S.D.