Figure 1. General structures of target compounds 1 and 2.

were obtained by DPPH and GO assays.

antioxidant compounds were tested. Treatment of cells with compounds 1 and 2

showed promising effects. The compounds were also evaluated for their ability to

interact with DNA, RNA, and proteins.

To further explore the potential applications of these compounds, we

performed several biological tests, including cell viability, cell proliferation,

and antiproliferative activity. The results indicated that compounds 1 and 2

showed promising anti-proliferative effects, which may have implications for

future applications in cancer therapy.

Several selected compounds were further investigated in vivo in

animal models.

Materials Science and Applied Chemistry

October 24, 2019

Riga Technical University

60th International Scientific Conference