Supplementary Information

Exploring the Antitumor Efficacy of N-Heterocyclic Nitrilotriacetate Oxidovanadium(IV) Salts on Prostate and Breast Cancer Cells

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[2] Department of Inorganic Chemistry, Gdansk University of Technology, Narutowicza 11/12, Gdańsk 80-233, Poland;
katarzyna.chmur@ug.edu.pl (K.C.); aleksandra.tesmar@ug.edu.pl (A.T.); magdalena.zdrowowicz@ug.edu.pl (M.Z.); damianrosiak91@gmail.com (D.R.); jaroslaw.chojnacki@pg.edu.pl (J.C.); dariusz.wyrzykowski@ug.edu.pl (D.W.)

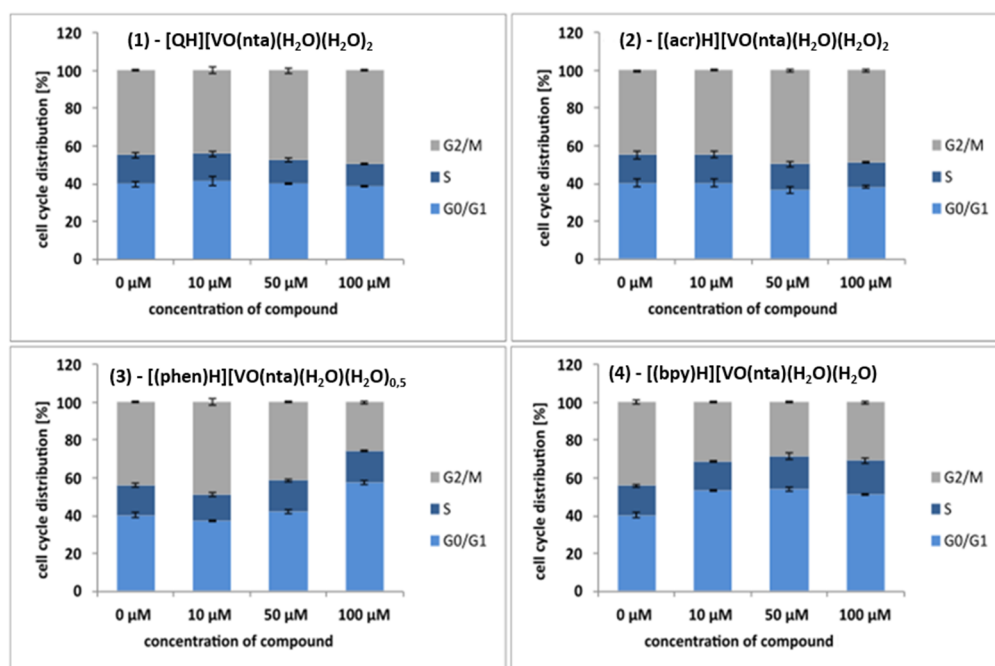* Correspondence: dariusz.wyrzykowski@ug.edu.pl

Figure S1. The cell cycle distribution of MCF-7 cells after 24 h treatment with tested compounds (I-IV). Results are shown as the mean ± standard deviation (SD) of three independent experiments performed in triplicate.
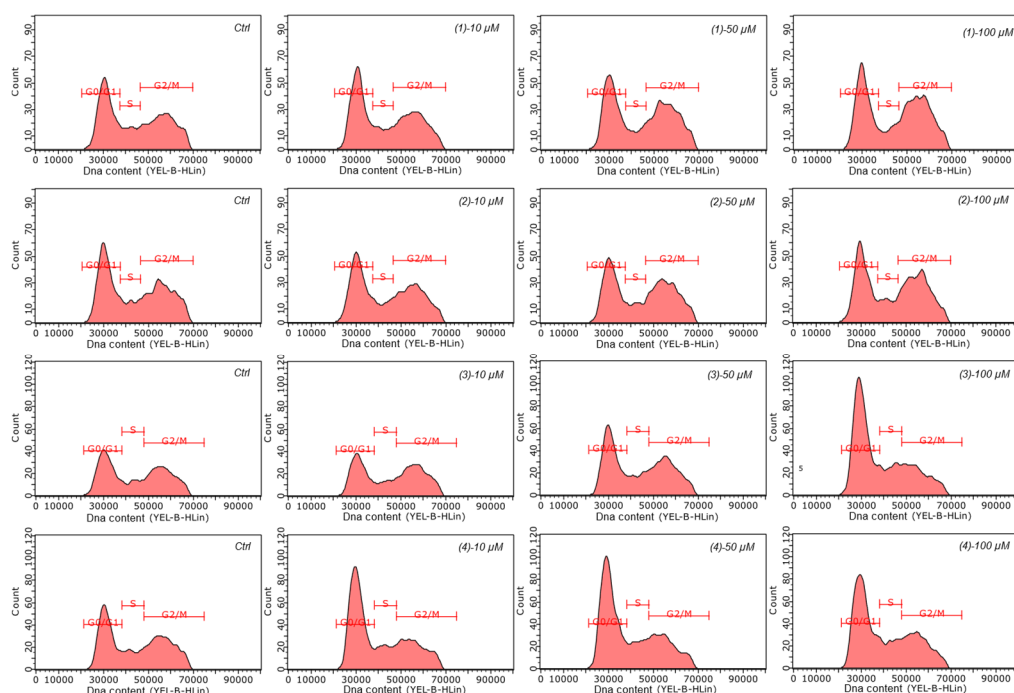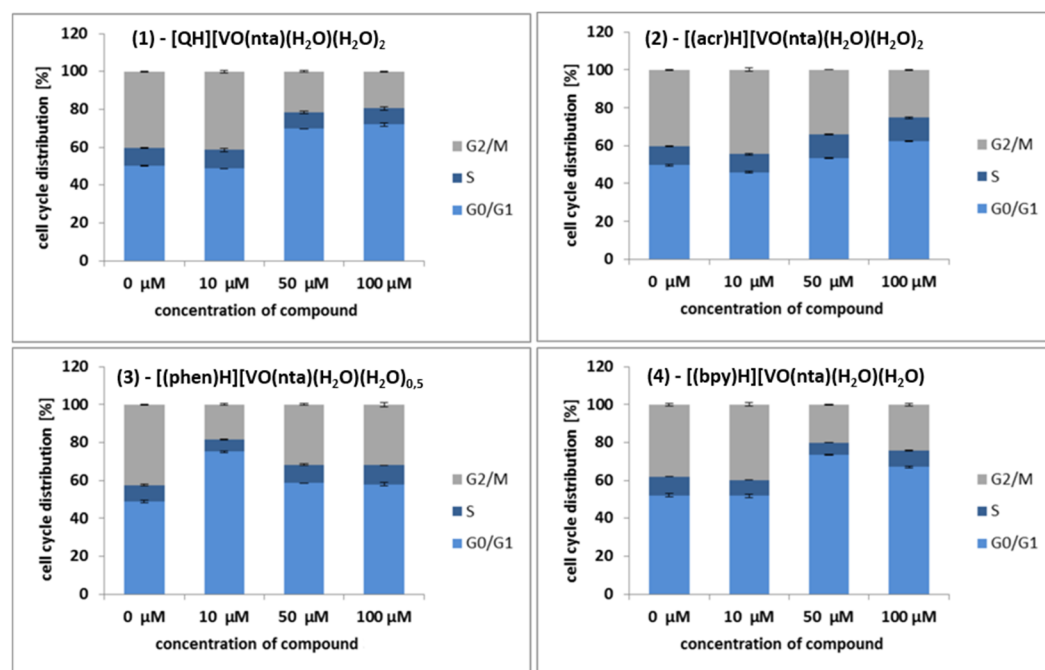
Figure S2. The histograms of MCF-7 cell cycle distribution after 24 h incubation with tested compounds. Histogram regions correspond to the G_0/G_1, S and G_2/M phases.

Figure S3. The cell cycle distribution of PC3 cells after 24 h treatment with tested compounds (I-IV). Results are shown as the mean ± standard deviation (SD) of three independent experiments performed in triplicate.
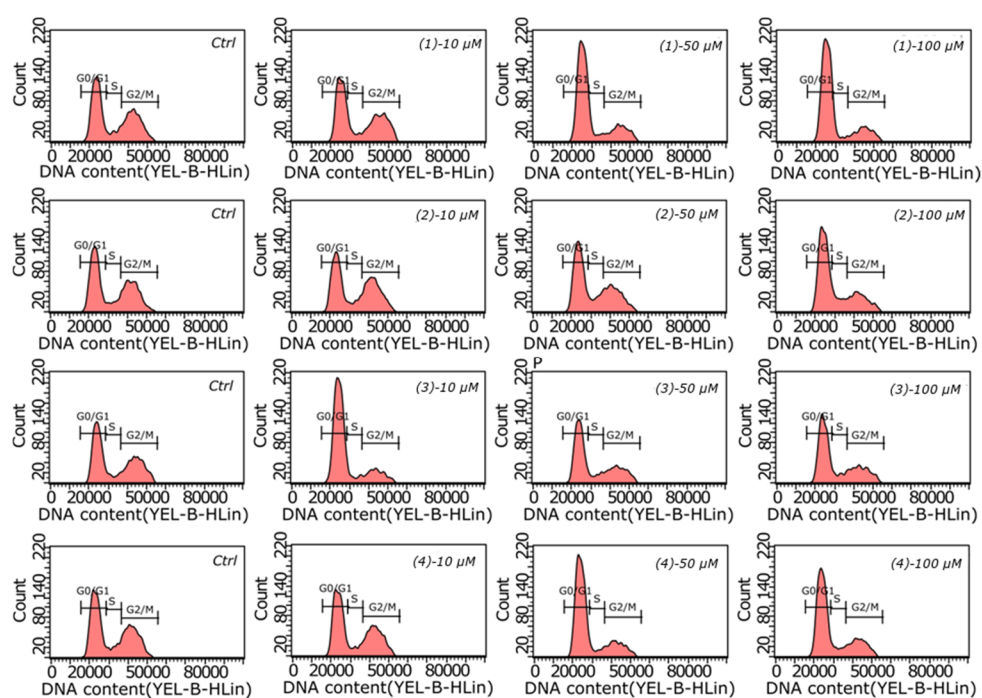
Figure S4. The histograms of PC3 cell cycle distribution after 24 h incubation with tested compounds (I-IV). Histogram regions correspond to the G_0/G_1, S and G_2/M phases.
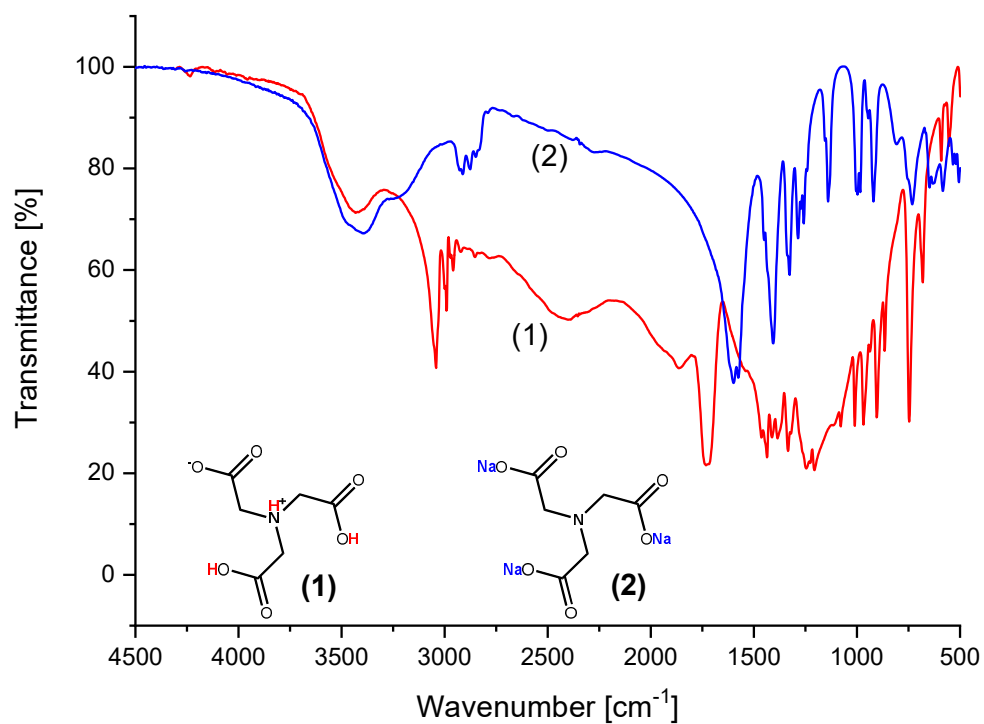
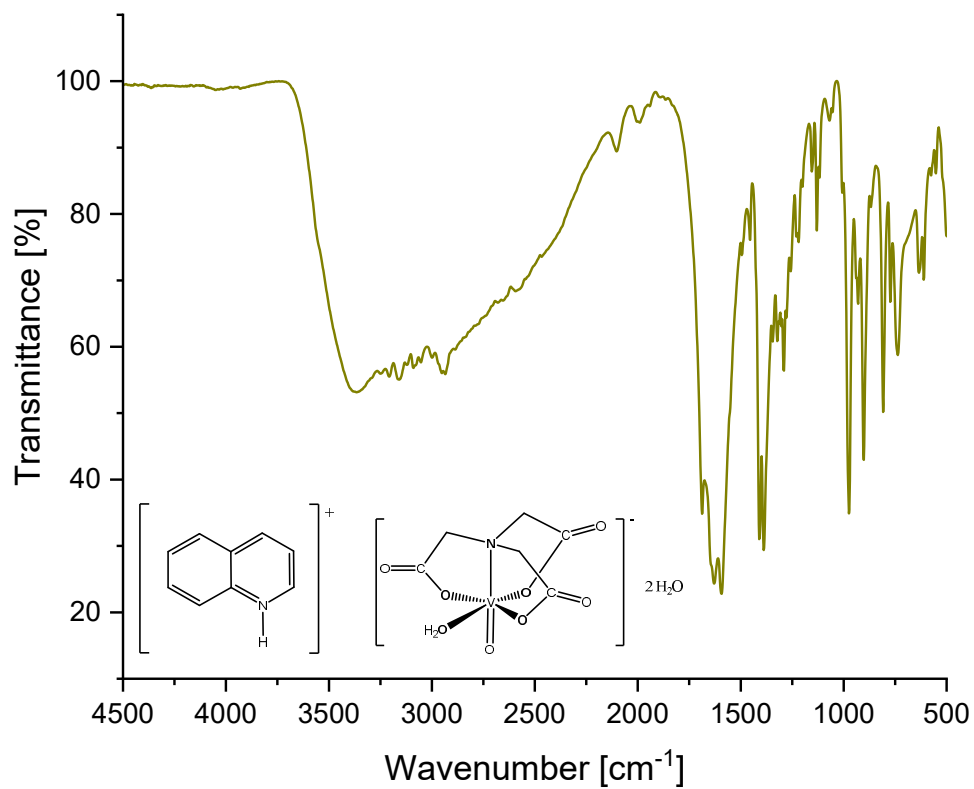**IR spectra**

Figure S5. The IR spectra of H$_3$nta (**1**) and Na$_3$nta (**2**).

Figure S6. The IR spectrum of [QH][VO(nta)(H$_2$O)](H$_2$O)$_2$ (**I**).

Figure S7. The IR spectrum of [(acr)H][VO(nta)(H₂O)](H₂O)₂ (**II**).