Supporting Information

Identification of Flavonoids and Bufadienolides and Cytotoxic Effects of Kalanchoe daigremontiana Extracts on Human Cancer Cell Lines

Justyna Stefanowicz-Hajduk¹, Monika Asztemborska², Miroslawa Krauze-Baranowska³, Sylwia Godlewska³, Magdalena Gucwa¹, Barbara Moniuszko-Szajwaj⁴, Anna Stochmal⁴, J. Renata Ochocka¹

Affiliation
¹Department of Biology and Pharmaceutical Botany, Medical University of Gdańsk, Gdańsk, Poland
²Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw, Poland
³Department of Pharmacognosy, Medical University of Gdańsk, Gdańsk, Poland
⁴Department of Biochemistry and Crop Quality, Institute of Soil Science and Plant Cultivation, State Research Institute, Puławy, Poland

Correspondence

Dr. Justyna Stefanowicz-Hajduk
Department of Biology and Pharmaceutical Botany
Medical University of Gdańsk
Al. Hallera 107, 80-416
Gdańsk, Poland
Phone: +48583491409
Fax: +48583491329
justyna.stefanowicz-hajduk@gumed.edu.pl
Fig. S1. Dose responses curves (area-under-curve vs. concentration) generated by MTT assay and GraFIT v.7 (Erithacus Software) for HeLa (A), SKOV-3 (B), HaCaT (C), MCF-7 (D), and A375 (E) cells after 24 h of treatment with the dichloromethane fraction (A–E), extract (F and G—HaCaT and MCF-7 cells, respectively), and water fraction (H—HaCaT cells) of *Kalanchoe daigremontiana* at concentrations of 2.0–150.0 µg/mL. In other cases of data, we did not obtain the responses curves at the used range of concentrations (IC$_{50} > 100$ µg/mL for the extract and water fraction).
Fig. S2. Dose responses curves (area-under-curve in a time period vs. concentration) generated by RTCA Software 1.2.1. for HeLa (A), SKOV-3 (B), HaCaT (C), MCF-7 (D), and A375 (E) cells after 24 h of treatment with the extract of *Kalanchoe daigremontiana* at concentrations of 2.0–150.0 µg/mL.
dichloromethane fraction
Fig. S3. Dose responses curves (area-under-curve in a time period vs. concentration) generated by RTCA Software 1.2.1. for HeLa (A), SKOV-3 (B), HaCaT (C), MCF-7 (D), and A375 (E) cells after 24 h of treatment with the dichloromethane fraction of *Kalanchoe daigremontiana* at concentrations of 2.0–150.0 µg/mL.
Fig. S4. Dose responses curves (area-under-curve in a time period vs. concentration) generated by RTCA Software 1.2.1. for HeLa (A), SKOV-3 (B), HaCaT (C), MCF-7 (D), and A375 (E) cells after 24 h of treatment with the water fraction of *Kalanchoe daigremontiana* at concentrations of 2.0–150.0 µg/mL.
**Fig. S5.** Dose responses curves (area-under-curve in a time period vs. concentration) generated by RTCA Software 1.2.1. for HeLa (A), SKOV-3 (B), HaCaT (C), MCF-7 (D), and A375 (E) cells after 24 h of treatment with bersaldegenin-1,3,5-orthoacetate at concentrations of 0.01–20.0 µg/mL.
Fig. S6. Dose responses curves (area-under-curve in a time period vs. concentration) generated by RTCA Software 1.2.1. for HeLa (A), SKOV-3 (B), HaCaT (C), MCF-7 (D), and A375 (E) cells after 24 h of treatment with vinblastine sulfate at concentrations of 1.0–20.0 nM (0.9\(^{-3}\)–18.0\(^{-3}\) μg/mL).