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ACCEPTED MANUSCRIPT

Evaluation of estrogenic activity of red clover (*Trifolium pratense* L.) sprouts cultivated under different conditions by content of isoflavones, calorimetric study and molecular modelling

Grażyna Budryn^a*, Ilona Gałązka-Czarnecka^a, Ewelina Brzozowska^a, Joanna Grzelczyk^a, Radosław Mostowski, Dorota Żyżelewicz, José P. Cerón-Carrasco^b, Horacio Pérez-Sánchez^b

^aInstitute of Food Technology and Analysis, Faculty of Biotechnology and Food Sciences, Lodz University of Technology, Poland

^bBioinformatics and High-Performance Computing Research Group (BIO-HPC), Computer Engineering Department, Universidad Católica de Murcia (UCAM), Guadalupe, Murcia, Spain

*Corresponding author. E-mail addresses: grazyna.budryn@p.lodz.pl (G. Budryn), ilona.galazka-czarnecka@p.lodz.pl (I. Gałązka-Czarnecka), ewelina.brzozowska@p.lodz.pl (E. Brzozowska), joanna.grzelczyk@p.lodz.pl (J. Grzelczyk), radoslaw.mostowski@p.lodz.pl (R. Mostowski), dorota.zyzelewicz@p.lodz.pl (D. Żyżelewicz), jpceron@ucam.edu (J. P. Cerón-Carrasco), hperez@ucam.edu (H. Pérez-Sánchez)

Abstract

Isoflavones have an affinity for estrogen receptors (ERs) including beneficial affinity for ER β . Widely used soy is a source of poorly absorbed isoflavones glycosides. Red clover contains mostly easily absorbed free aglycones. Red clover sprouts were cultivated under different conditions (white light, UVA or UVB for 12 or 24 hours a day at 18 or 25 °C) to

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