



SDI Review Form 1.6

Journal Name:	European Journal of Medicinal Plants
Manuscript Number:	Ms_EJMP_23992
Title of the Manuscript:	The role of monocarboxylate transporters and their chaperone CD147 in lactate efflux inhibition and the anticancer effects of Terminalia chebula in neuroblastoma cell line N2-A
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>This manuscript reports the effects of 900 ethanolic plant extracts on lactate efflux inhibition, transporters expression, viability, proliferation and apoptosis in neuroblastoma (N2-A) cells Following suggestions are made for revision:</p> <ul style="list-style-type: none"> - Identification, authentication, parts of plants used, age of plants and time of the year of collection should be provided. - How many replicates of Western blots were performed? How the selection of Western blots was made to be included in manuscript. - Bands from all replicates of Western blots should be quantitated and data should be reported with standard deviations. - Animal experiments should be conducted with most effective extract to validate in vitro results. - English, grammar and spelling could be improved. 	<p>Plant Identification Plants used in this study were obtained from our "FAMU Herbal Resource Facility" where we have over 1100 herbal plants. We have published 9 articles using the same plants collections of used in the current study. Please see references below.</p> <p>Western Blot We repeated the experiment four times with TCE and we already quantified the data using the densitometry averages.</p> <p>Standard Deviation We revised the statistical analysis to include standard deviation</p> <p>Animal Experiment Yes, We agree. This is a very valuable suggestion for future research avenue to be conducted</p> <p>English, grammar and spelling The manuscript has been revised and been checked for spelling and grammar</p> <p>1.Mazzio, E and Soliman KF. In Vitro Screening for the Tumoricidal Properties of International Medicinal Herbs. Phytotherapy Research 23: 385-398 (2009). 2.): 527-39. (2010).</p> <p>3. Mazzio, E and Soliman KF. In Vitro Screening for the Tumoricidal Properties of International Medicinal Herbs. Part II. Phytotherapy Research 24(12): 1813-249 (2010).</p> <p>4.Mazzio E, Deiab S, Park K, and Soliman KFA. High throughput screening to Identify Natural Human Monoamine Oxidase B Inhibitors. Phytotherapy 27: 818-828 (2013).</p> <p>5.Deiab, S, E. Mazzio, S. Messeha, N. Mack, and K. F. A. Soliman. High-Throughput Screening to Identify Plant</p>



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		<p>Derived Human LDH-Inhibitors. Europ J. Medicinal Chem., 3: 603-605 (2013).</p> <p>6. Mazzio E, Badisa R, Mack N, Deiab S, Soliman KFA. High throughput screening of natural products for anti-mitotic effects in MDA-MB-231 human breast carcinoma cells. 28: 856-867 Phytotherapy Research (2014).</p> <p>7. Deiab S, Mazzio E, Eyunni S, McTier, O, Mateeva, N, Soliman, KF. Galla chinensis and its constituent 1, 2, 3, 4, 6 penta-o-galloylglucose inhibits human LDH-A and attenuates cell proliferation in MDA-MB-231 breast cancer cells. Evidence-Based Complementary and Alternative Medicine. 2015: 2769461 (2015).</p> <p>8. Mazzio E, Georges B, McTier O and Soliman KFA. (2015) S1043-4666 (14) 00621-8. doi: 10.1016/j.cyto.2014.12.007. Neurotrophic Effects of Mu Bie Zi (Momordica cochinchinensis) Seed elucidated by High-Throughput Screening of Natural Products for NGF Mimetic effects in PC-12 Cells. Neurochemical Res.; (In press 2015).</p> <p>9. Zarmouh NO, Mazzio EA, Elshami FM, Messeha SS, Eyunni SV, Soliman KF. Evaluation of the Inhibitory Effects of Bavachinin and Bavachin on Human Monoamine Oxidases A and B. Evid Based Complement Alternat Med. 2015; 2015:852194. doi: 10.1155/2015/852194. Epub 2015 Oct 19.</p>
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		