LETTER TO EDITOR

Reply to Bukhvostov AA, Ermakov KV, Kuznetsov DA. A Nuclear – Magnetic Insight Towards the Cytostatic Potential of Medicinal Plant Extracts: Biomedica. 2020; 36 (1): 5-6.

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KEYWORDS: Nuclear, Magnetic, Cytostatic, Medicinal Plant, *Ducrosia anethifolia.*

Dear Editor,

First, we appreciate the interest of Dr. Bukhvostov et al. 2020 in our article detailing the protocol of cytotoxic activity and chemical analysis of *Ducrosia anethifolia* extracts against HLA60 and the suggested comments. Our primary goal, however, was to reveal the cytotoxic activity of *D. anethifolia leave* and its major chemical constituents.

D. anethifolia leave (DL) crude extract mainly aqueous was tested against selected cell lines among which HLA60 using the MTT assay and screened for its major chemical components by GC-MS analysis to which its therapeutical activity could be attributed.

Data from the GC-MS when compared to the NIST library indicated that the major constituent in the extracts being tested is tetradecenol. Moreover, this GC-MS analysis was qualitative we didn't approach HPLC analysis thus it was unnecessary to run a standard tetradecenol.

Additionally, figures of DL water extract against HLA60 experimented, even though they were not shown in the paper; but are noted available upon request. Indeed, DL water extract induced a drastic inhibition of HLA60 cells at an extract concentration ranging between 2 – 3 µg / 100 mL interpreted by a sharp linear curve and then a stationary phase (Fig.1); however, further

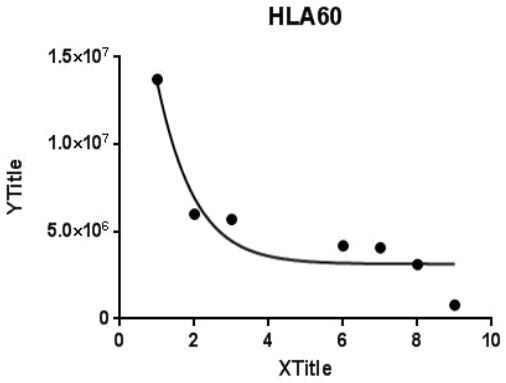

Fig.1: DLW activity against HLA 60 indicating a sharp linear inhibition of HLA60 followed by a stationary phase.

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studies should be elucidated on cell apotposis and at which stage inhibition occurred hopefully in the coming future work.[1,2]

CONFLICT OF INTEREST

None to declare.

FINANCIAL DISCLOSURE

None to disclose.

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Author's Contribution

ALL AUHTORS: Conception, collection, analysis of data, article drafting and final approval of the version to be published.